



# STIC Search Report

## EIC 2600

**STIC Database Tracking Number: 143613**

**TO: Brian Le**  
**Location: CPK 1 4B40**  
**Art Unit: 2623**  
**Tuesday, February 01, 2005**

**Case Serial Number: 10/815435**

**From: Pamela Reynolds**  
**Location: EIC 2600**  
**PK2-3C03**  
**Phone: 306-0255**

**Pamela.Reynolds@uspto.gov**

### Search Notes

Dear Brian Le,

Please find attached the search results for 10815435. I used the search strategy I emailed to you to edit, not hearing from you I proceeded. I searched the standard Dialog files, IEEE, and the internet.

If you would like a re-focus please let me know.

Thank you.





File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office  
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200507  
(c) 2005 Thomson Derwent

Set	Items	Description
S1	453	DATASET?
S2	179	S1 AND (SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORT- ION? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	52	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR REC- OMBIN?) AND S2
S4	29343	(OUTPUT OR OUT()PUT) AND (EQUAL? OR SAME OR MATCH) AND (NU- MBER? OR TOTAL? OR SUM) AND INPUT
S5	4939	WATERMARK? OR WATER()MARK?
S6	473	TUPLE?
S7	6324	PSEUDORANDOM OR PSEUDO()RANDOM? OR RMK OR REPRESENTATIVE()- MASTER()KEY
S8	502771	VIDEO OR VOD OR VIDEO(1W)DEMAND OR DVD OR MULTIMEDIA OR MU- LTI()MEDIA OR STREAM?(2N)DATA OR VHS()TAPE??
S9	8	MARK? AND UNMARK? AND S8
S10	62078	FINGERPRINT? OR FINGER()PRINT? OR IDENTIFIER? OR (ID OR ID- ENTIFICATION) (3N)CODE?
S11	354	S8 AND (SOURCE OR ORIGINATOR OR CREATOR OR DISTRIBUTOR? OR CUSTOMER?) AND S10
S12	92	AU=(SAHI, R? OR MALIK, S? OR SAHI R? OR MALIK S?)
S13	376904	IC=H04L?
S14	1	S9 AND S10
S15	2	S3 AND S4
S16	2	S15 NOT S14
S17	0	S16 NOT (GENES OR BIOLOGY)
S18	3	S2 AND S4
S19	1	S18 NOT (S14 OR S16)
S20	12	S10 AND S2
S21	0	S20 AND S4
S22	2	S20 AND S13
S23	2	S22 NOT (S18 OR 14 OR S16)
S24	1	S12 AND S10
S25	1	S24 NOT (S22 OR S18 OR S14 OR S16)
S26	0	S1 AND S11
S27	12	S5:S7 AND S11
S28	0	S27 AND S4
S29	12	S27 NOT (S24 OR S22 OR S18 OR S14 OR S16)
S30	7	S29 AND S13
S31	68	S11 AND S13
S32	0	S31 AND S4
S33	1	S31 AND (EQUAL? OR SAME OR MATCH) AND (NUMBER? OR TOTAL? OR SUM)
S34	1	S33 NOT (S27 OR S24 OR S22 OR S18 OR S14 OR S16)



14/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014132082 \*\*Image available\*\*  
WPI Acc No: 2001-616293/200171  
XRPX Acc No: N01-459712

**Cryptographic identifier forming apparatus for optical disk, has processor which integrally splices flow patterns of watermark and non-marked codes based on selected execution flow and associated routine**

Patent Assignee: MICROSOFT CORP (MICT )  
Inventor: VAZIRANI V; VENKATESAN R  
Number of Countries: 094 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200169355	A1	20010920	WO 2001US3821	A	20010207	200171 B
AU 200134861	A	20010924	AU 200134861	A	20010207	200208
US 6829710	B1	20041207	US 2000525694	A	20000314	200480
US 20040255132	A1	20041216	US 2000525694	A	20000314	200482
			US 2004880213	A	20040629	

Priority Applications (No Type Date): US 2000525694 A 20000314; US 2004880213 A 20040629

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200169355	A1	E	68 G06F-001/00	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
AU 200134861	A		G06F-001/00	Based on patent WO 200169355
US 6829710	B1		H04L-009/00	
US 20040255132	A1		H04L-009/32	Cont of application US 2000525694

**Cryptographic identifier forming apparatus for optical disk, has processor which integrally splices flow patterns of watermark and non-marked codes based on selected execution flow and associated routine**

Abstract (Basic):

... flow and the associated routine to splice the flow patterns of a watermark and an **unmarked** code integrally including all the different routing and associated execution flow.

... a) **Cryptographic identifier** formation method...

...b) Computer readable medium containing instructions to form **cryptographic identifier** ;  
(...

...c) Executable computer code **marked** with **identifier**  
...

...to read only optical disks such as compact disk read only memory (CD-ROM), digital **video** disk ( **DVD** ), and magnetic disk which contains copyright of application software...

...codes for routines are added such that the flow pattern of watermarked



code and an **unmarked** code are same, making the watermark highly  
tamper-proof  
...Title Terms: **MARK** ;  
?



19/3,K/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

009653716 \*\*Image available\*\*  
WPI Acc No: 1993-347266/199344  
XRPX Acc No: N93-268285

**Electronic computer aided design system - immediately updates changes  
made by one program to design data set and automatically reflects changes  
in displayed outputs of other design tools**

Patent Assignee: LSI LOGIC CORP (LSIL-N)  
Inventor: ERIKSSON A T; JONES E; KONG S; EIRIKSSON A T  
Number of Countries: 002 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2266981	A	19931117	GB 939494	A	19930507	199344 B
GB 2266981	B	19951122	GB 939494	A	19930507	199550
US 5526517	A	19960611	US 92883860	A	19920515	199629

Priority Applications (No Type Date): US 92883860 A 19920515  
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2266981	A	51	G06F-015/60	
GB 2266981	B	1	G06F-017/50	
US 5526517	A	15	G06F-017/30	

...Abstract (Basic): The computer workstations include a computer, memory, appts. for graphical display of information, a user **input** receiver, and appts. for sharing data between simultaneously active programs. The data items include one or more sets of design files and a shared **dataset** resident in the data sharing appts. The software includes an operating system, a graphical user interface, and a **number** of application programs. A communication manager sends a program to identify a message as being associated with one of a **number** of predetermined message classes...

...A message receiving program registers request to receive only messages associated with one of a **subset** of the predetermined message classes. Each message is identified by a sending program as being...

...receiving program may receive only those messages identified as being associated with one of the **subset** of predetermined message classes for which it has registered a request to receive...

...ADVANTAGE - Eliminates large **portion** of data transfer and computes load required to process modified design...

...Abstract (Equivalent): computer workstations including: a computer, memory, means for graphical display of information, means for receiving **input** from a user, and means for sharing data between simultaneously active programs...

...a shared **dataset** resident in said data sharing means...

...message receiving program to register requests to receive only messages associated with one of a **subset** of said plurality of predetermined message classes...

...receiving program may receive only those messages identified as being associated with one of said **subset** of said plurality of predetermined



23/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

016308863 \*\*Image available\*\*

WPI Acc No: 2004-466758/200444

XRPX Acc No: N04-368675

Dataset partitioned scanning system for distributed computing environment, obtains each data item having data item identifier not appearing in list of scanned data item identifiers , and scans obtained data item, for computer virus

Patent Assignee: NETWORKS ASSOC (NETW-N)

Inventor: GRYAZNOV D O; KUO C J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6748534	B1	20040608	US 2000540849	A	20000331	200444 B

Priority Applications (No Type Date): US 2000540849 A 20000331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6748534	B1	12	G06F-011/30	

Dataset partitioned scanning system for distributed computing environment, obtains each data item having data item identifier not appearing in list of scanned data item identifiers , and scans obtained data item, for computer virus

Abstract (Basic):

... A database (65) has set of indices comprising a list of scanned data items **identifiers** , a list of last entry numbers, and a list of locks for data item threads. A scanner obtains each data item having an **identifier** not appearing in the list of scanned data item **identifiers** , and scans obtained data item, for computer virus. The scanner temporarily locks each data item...

... 1) method for performing **partitioned** scanning of **dataset** ; and...

...2) recorded medium storing **partitioned dataset** scanning program...

...For performing **partitioned** scanning of **dataset** such as news database, for detecting computer virus, in distributed computing environment...

...Enables performing concurrent scanning of large **dataset** , for detecting computer viruses...

...The figure shows a block diagram of the **dataset partitioned** scanning system...

Title Terms: **PARTITION** ;

...International Patent Class (Additional): H04L-009/00 ...

... H04L-009/32

23/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.



012564856      \*\*Image available\*\*  
WPI Acc No: 1999-370962/199931  
XRPX Acc No: N99-276609

**Method for securely transferring dataset in telecommunications system  
by identifying data with higher sensitivity and data with lower  
sensitivity, encrypts higher sensitivity data to give encrypted sensitive  
data**

Patent Assignee: MOTOROLA INC (MOTI )  
Inventor: GOLDSTEN G A; SUMNER T E; GOLDSTEIN G A  
Number of Countries: 025    Number of Patents: 009  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9927654	A2	19990603	WO 98US23994	A	19981110	199931	B
EP 1040426	A2	20001004	EP 98965370	A	19981110	200050	
			WO 98US23994	A	19981110		
US 6128735	A	20001003	US 97978392	A	19971125	200050	
CN 1279791	A	20010110	CN 98811541	A	19981110	200128	
KR 2001032407	A	20010416	KR 2000705647	A	20000524	200163	
BR 9815010	A	20011023	BR 9815010	A	19981110	200172	
			WO 98US23994	A	19981110		
JP 2001524771	W	20011204	WO 98US23994	A	19981110	200203	
			JP 2000522681	A	19981110		
CA 2310281	C	20020820	CA 2310281	A	19981110	200263	
			WO 98US23994	A	19981110		
KR 372495	B	20030215	WO 98US23994	A	19981110	200353	
			KR 2000705647	A	20000524		

Priority Applications (No Type Date): US 97978392 A 19971125

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 9927654	A2	E 28	H04B-000/00	
Designated States (National): BR CA CN DE FI GB IL JP KR SE				
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
EP 1040426	A2	E	G06F-015/17	Based on patent WO 9927654
Designated States (Regional): DE FI FR GB SE				
US 6128735	A		H04K-001/00	
CN 1279791	A		G06F-015/17	
KR 2001032407	A		H04K-001/00	
BR 9815010	A		G06F-015/17	Based on patent WO 9927654
JP 2001524771	W	27	H04L-009/14	Based on patent WO 9927654
CA 2310281	C	E	G06F-015/17	Based on patent WO 9927654
KR 372495	B		H04K-001/00	Previous Publ. patent KR 2001032407 Based on patent WO 9927654

**Method for securely transferring dataset in telecommunications system  
by identifying data with higher sensitivity and data with lower  
sensitivity, encrypts...**

Abstract (Basic):

...      The method identifies data with two levels of sensitivity,  
higher and lower in a **dataset** , and encrypts the higher, the the lower  
to give an encrypted **dataset** which is then transferred to a receiver.  
Decryption information can be included to the encrypted sensitive data  
such as an algorithm **identifier** , a key **identifier** and receiver  
response information.

...      In the receiver the **dataset** is decrypted to recover the data  
with lower sensitivity and decrypted again for the higher...



...For encrypting, transferring and decrypting a **dataset** in a telecommunications system using different security levels for different **parts** of the **dataset** .

...

...Provides improved method and system for securely transferring a **dataset** in a telecommunications system where data in the **dataset** may be encrypted with different levels of security and the more secure **part** of the data set is not readily apparent to an eaves dropper

...International Patent Class (Main): **H04L-009/14**

?



25/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

016615775 \*\*Image available\*\*  
WPI Acc No: 2004-774510/200476  
XRPX Acc No: N04-610126

Communication network for connecting network devices, has one network device creating and sending data message to another network device, where message includes user configurable data configured using host computer  
Patent Assignee: CHASMAWALA Z (CHAS-I); MALIK S (MALI-I); RUHMANN B (RUHM-I)

Inventor: CHASMAWALA Z; MALIK S ; RUHMANN B  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040205111	A1	20041014	US 2002426718	P	20021115	200476 B
			US 2003714490	A	20031114	

Priority Applications (No Type Date): US 2002426718 P 20021115; US 2003714490 A 20031114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040205111	A1	30	G06F-015/16	Provisional application	US 2002426718

...Inventor: MALIK S

Abstract (Basic):

... system designer to manipulate the data bytes, and permits allocation of a new data message identifier to accommodate existing network devices...

?



30/3,K/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016252495 \*\*Image available\*\*  
WPI Acc No: 2004-410389/200438  
Related WPI Acc No: 2004-327797  
XRPX Acc No: N04-325956

**Method for steganographically embedding geo-location information in image in e.g. digital asset management system, involves determining geo-location information based on attributes associated with cell phone network**

Patent Assignee: LEVY K L (LEVY-I); STAGER R R (STAG-I)

Inventor: LEVY K L; STAGER R R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040091111	A1	20040513	US 2002396893	P	20020716	200438 B
			US 2003622079	A	20030716	

Priority Applications (No Type Date): US 2002396893 P 20020716; US 2003622079 A 20030716

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040091111	A1		13	H04L-009/00	Provisional application US 2002396893

Abstract (Basic):

... 2) method of accumulating financial charges attribute to  
customer ;  
(...

...6) method of authenticating video .  
...

...steganographically embedding geo-location information in an image or other signal such as audio and video contents captured by a camera used with cell phone and global positioning system (GPS), for digital watermarking and digital fingerprinting , in e.g. digital asset management (DAM) system, copy protection, access control, surveillance video authentication, content monitoring, multimedia messaging service (MS), video conferencing...

...The geo-location information is embedded in the image reliably, thereby ensuring effective digital watermarking and improving security...

...The figure explains the process for identifying songs with audio fingerprints .

International Patent Class (Main): H04L-009/00

30/3,K/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

015933774 \*\*Image available\*\*  
WPI Acc No: 2004-091615/200409  
Related WPI Acc No: 2004-108962; 2004-109117; 2004-109132; 2004-373766;



2004-388765; 2004-579360  
XRPX Acc No: N04-073379

**Digital content distributing method for media stream e.g. movie, involves distributing digital content using multi- source system and partially fingerprinting content at intermediate device when information is send to end viewer**

Patent Assignee: KALEIDESCAPE INC (KALE-N); KALEIDESCAPE (KALE-N)

Inventor: COLLENS D A; MALCOLM M A; WATSON S

Number of Countries: 102 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200406494	A1	20040115	WO 2003US21404	A	20030709	200409 B
US 20040010694	A1	20040115	US 2002394588	P	20020709	200416
			US 2002394630	P	20020709	
			US 2002394922	P	20020709	
			US 2003356692	A	20030131	
AU 2003248884	A1	20040123	AU 2003248884	A	20030709	200459

Priority Applications (No Type Date): US 2003444012 P 20030131; US 2002394588 P 20020709; US 2002394630 P 20020709; US 2002394922 P 20020709 ; US 2003356322 A 20030131; US 2003356692 A 20030131

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200406494 A1 E 32 H04L-009/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

US 20040010694 A1 H04L-009/00 Provisional application US 2002394588

Provisional application US 2002394630

Provisional application US 2002394922

AU 2003248884 A1 H04L-009/00 Based on patent WO 200406494

... **content distributing method for media stream e.g. movie, involves distributing digital content using multi- source system and partially fingerprinting content at intermediate device when information is send to end viewer**

Abstract (Basic):

... The method involves generating a **watermarked** digital content (121) having locations, where **fingerprinting** information is embedded. The digital content is distributed using a multisource system (100) including an...

...disposed between a point of origin and an end viewer (130). The content is partially **fingerprinted** when the information is presented to the end viewer.

... Used for distributing a digital content for a media stream e.g. movie, **data stream** and software stream...

...The **fingerprinting** does not require substantial computation and memory resources, thereby reducing amount of time required to perform the distribution of the media stream to **distributors** .

...Title Terms: **SOURCE** ;



International Patent Class (Main): H04L-009/00

30/3,K/3 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

015572705 \*\*Image available\*\*  
WPI Acc No: 2003-634862/200360  
XRPX Acc No: N03-504898

Digital content segment selection method for watermarking , involves  
comparing energy level and Cepstral coefficients of each window of input  
signal with threshold and selecting window whose value exceeds threshold

Patent Assignee: HUGHES J P (HUGH-I); RAZDAN R (RAZD-I)

Inventor: HUGHES J P; RAZDAN R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030051143	A1	20030313	US 2001948679	A	20010910	200360 B

Priority Applications (No Type Date): US 2001948679 A 20010910

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030051143	A1		7 H04L-009/00	

Digital content segment selection method for watermarking , involves  
comparing energy level and Cepstral coefficients of each window of input  
signal with threshold...

Abstract (Basic):

... values are compared with the threshold and windows having higher  
combination value is selected for **watermarking** .

... 1) method of representation of segment information using  
meta-data or **fingerprint** ;  
(...

...2) **watermark** insertion method; and...

...3) **watermark** extraction method...

...For selecting segments in digital contents like music, **video** , books,  
software, images for inserting **watermarks** to prevent unauthorized  
distribution...

...The **watermark** can be inserted in real-time, providing non-repudiation  
besides providing an audit trail on the content, as it is transferred  
between the copyright holder and network **distributors** . Since the  
**watermark** is adapted to the base signal, attempts of removal of the  
**watermark** degrades the base signal considerably...

...The figure shows the flow diagram for analyzing the signal window to  
select segment for **watermarking** .

...Title Terms: **WATERMARK** ;

International Patent Class (Main): H04L-009/00

30/3,K/4 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015525283      \*\*Image available\*\*

WPI Acc No: 2003-587433/200355

Related WPI Acc No: 1995-200530; 1996-518986; 1997-310156; 1998-009129;

1998-110064; 1998-286225; 1999-204782; 1999-444465; 2000-013122;  
2000-194736; 2000-195398; 2000-365779; 2000-464989; 2000-490584;  
2000-647035; 2001-022904; 2001-335855; 2001-357503; 2001-374044;  
2001-397673; 2001-425330; 2001-570080; 2001-580828; 2001-581298;  
2001-581665; 2001-595705; 2001-607222; 2002-011177; 2002-041658;  
2002-062159; 2002-082807; 2002-154357; 2002-163652; 2002-163681;  
2002-179003; 2002-188040; 2002-205513; 2002-224088; 2002-226224;  
2002-235400; 2002-236852; 2002-238406; 2002-238913; 2002-239839;  
2002-254659; 2002-256143; 2002-268672; 2002-315095; 2002-361599;  
2002-361694; 2002-370756; 2002-382444; 2002-391512; 2002-392708;  
2002-393501; 2002-394013; 2002-403568; 2002-405083; 2002-413035;  
2002-416925; 2002-435593; 2002-470507; 2002-479804; 2002-498079;  
2002-498923; 2002-507125; 2002-508021; 2002-528580; 2002-556177;  
2002-598690; 2002-598923; 2002-617280; 2002-636862; 2002-642228;  
2002-654787; 2002-672857; 2002-673567; 2002-691185; 2002-697772;  
2003-045908; 2003-057552; 2003-074123; 2003-090293; 2003-091652;  
2003-137905; 2003-140183; 2003-174573; 2003-199024; 2003-219596;  
2003-238411; 2003-266622; 2003-268467; 2003-275465; 2003-327510;  
2003-331365; 2003-353776; 2003-362315; 2003-391983; 2003-392393;  
2003-401297; 2003-418353; 2003-418436; 2003-419661; 2003-419904;  
2003-465734; 2003-492022; 2003-557490; 2003-597620; 2003-615418;  
2003-615425; 2003-655604; 2003-655616; 2003-655715; 2003-656012;  
2003-658647; 2003-659691; 2003-687554; 2003-689852; 2003-707329;  
2003-730410; 2003-767701; 2003-777048; 2003-800216; 2003-800961;  
2003-802603; 2003-829683; 2003-897231; 2004-031964; 2004-041644;  
2004-059015; 2004-059948; 2004-070353; 2004-098221; 2004-119479;  
2004-155399; 2004-179244; 2004-179245; 2004-303569; 2004-375604;  
2004-386915; 2004-487761; 2004-551346; 2004-560850; 2004-624728;  
2004-660515; 2004-698601; 2004-709696; 2004-831629

XRFX Acc No: N03-467792

**Method of detecting digital watermark in compressed data stream by  
performing calibration of one dimensional signal with one dimensional  
calibration signal to compensate for geometric distortion of video  
signal**

Patent Assignee: DIGIMARC CORP (DIGI-N); CELIK M U (CELI-I)

Inventor: ALATTAR A M; ELLINGSON E E; LEVY K L; RHOADS G B; STAGER R R;

CELIK M U

Number of Countries: 100    Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200362960	A2	20030731	WO 2003US1975	A	20030122	200355 B
US 20040034778	A1	20040219	US 2002404038	P	20020815	200415
			US 2002300921	A	20021119	
AU 2003210625	A1	20030902	AU 2003210625	A	20030122	200426

Priority Applications (No Type Date): US 2002428485 P 20021121; US

2002351565 P 20020122; US 2002404038 P 20020815; US 2002300921 A 20021119

Patent Details:

Patent No    Kind    Lan    Pg    Main IPC    Filing Notes

WO 200362960    A2    E    53    G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA  
ZM ZW



Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG  
ZM ZW

US 20040034778 A1 H04L-009/00 Provisional application US 2002404038

AU 2003210625 A1 G06F-000/00 Based on patent WO 200362960

**Method of detecting digital watermark in compressed data stream by  
performing calibration of one dimensional signal with one dimensional  
calibration signal to compensate for geometric distortion of video  
signal**

Abstract (Basic):

... The method involves transforming **video** data into  
one-dimensional **video** signal. A calibration of the signal is  
performed with a one dimensional calibration signal to compensate for  
geometric distortion of the **video** signal. The transforming includes  
combining rows within a **video** frame into a first one-dimensional  
signal and involves combining columns within a **video** frame into a  
second one-dimensional signal.  
... c) a method for **video watermarking**  
(...  
...d) a method of embedding auxiliary data in a compressed **data stream**  
(...  
...e) a method of extracting auxiliary data from a compressed **data  
stream**  
(...  
...f) a method for detecting auxiliary data in a compressed **data stream**  
...  
...In digital **watermarking** and **fingerprinting** for modifying physical or  
electronic media to embed a hidden machine-readable code into the...  
...through an automated detection process applied to media signals such as  
images, audio signals, and **video** signals. It may also be applied to  
other types of media objects, including documents (e...  
...Allows for several exact copies of **video** output source with  
differing payloads  
...Title Terms: **WATERMARK** ;  
...International Patent Class (Main): **H04L-009/00**

30/3,K/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015525059 \*\*Image available\*\*

WPI Acc No: 2003-587209/200355

XRPX Acc No: N03-467602

**Generation of watermark e.g. for generation of watermarks being  
unique to receiver of multicast transmission of such media, involves  
distributing multimedia data using multicast transmission**

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG )

Inventor: VAN DER VEEN M

Number of Countries: 103 Number of Patents: 004



Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200358876	A2	20030717	WO 2002IB5273	A	20021209	200355 B
AU 2002353297	A1	20030724	AU 2002353297	A	20021209	200421
EP 1472815	A2	20041103	EP 2002788318	A	20021209	200472
			WO 2002IB5273	A	20021209	
KR 2004077713	A	20040906	KR 2004710751	A	20040709	200506

Priority Applications (No Type Date): EP 200275093 A 20020111

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200358876	A2	E 16	H04L-009/00	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2002353297	A1		H04L-009/00	Based on patent WO 200358876
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EP 1472815	A2	E	H04L-009/32	Based on patent WO 200358876
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Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

KR 2004077713	A		H04L-009/00	
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**Generation of watermark e.g. for generation of watermarks being unique to receiver of multicast transmission of such media, involves distributing multimedia data using multicast transmission**

Abstract (Basic):

... The method involves distributing **multimedia** data using multicast transmission. Each receiver is provided with his own unique **identifier** in the form of a **watermark** and also additional information, typically global information for instance to comply with DRM rules, in the same **watermark**.

... An INDEPENDENT CLAIM is included for a **source**

...For transmission of **multimedia** to multiple receivers. For generation of **watermarks** being unique to receiver of multicast transmission of such media...

...Distributes **multimedia** in efficient way

...Title Terms: **WATERMARK** ;

International Patent Class (Main): **H04L-009/00** ...

... **H04L-009/32**

International Patent Class (Additional): **H04L-009/08**

**30/3,K/6 (Item 6 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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014473993 \*\*Image available\*\*

WPI Acc No: 2002-294696/200234

XRPX Acc No: N02-230145

**Digital signal identification method for video camera, VTR, involves**



**embedding identification code into digital signal as watermark , and  
deriving signature from digital signal**

Patent Assignee: SONY UK LTD (SONY-); DAVID M W A (DAVI-I); STONE J J (STON-I)

Inventor: DAVID M W A; STONE J J

Number of Countries: 096 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2361136	A	20011010	GB 200019985	A	20000814	200234 B
AU 200144364	A	20011015	AU 200144364	A	20010330	200234
EP 1190386	A2	20020327	EP 2001917281	A	20010330	200234
			WO 2001GB1492	A	20010330	
WO 200175794	A2	20011011	WO 2001GB1492	A	20010330	200234
US 20020138734	A1	20020926	US 200111225	A	20011204	200270
CN 1381023	A	20021120	CN 2001801491	A	20010330	200319
JP 2003529987	W	20031007	JP 2001573396	A	20010330	200370
			WO 2001GB1492	A	20010330	

Priority Applications (No Type Date): GB 20008437 A 20000405

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
GB 2361136	A	34	H04N-001/32	
AU 200144364	A		G06T-001/00	Based on patent WO 200175794
EP 1190386	A2 E		G06T-001/00	Based on patent WO 200175794
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				
WO 200175794	A2 E		G06T-001/00	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW				
US 20020138734	A1		H04L-009/00	
CN 1381023	A		G06T-001/00	
JP 2003529987	W	39	H04N-005/91	Based on patent WO 200175794

**Digital signal identification method for video camera, VTR, involves  
embedding identification code into digital signal as watermark , and  
deriving signature from digital signal**

Abstract (Basic):

... An identification code for directly or indirectly identifying the digital signal generated from a video source (880), is embedded in the signal as a watermark (882). A signature is derived from the digital signal and stored in a database (894) along with the identification code .

... For identifying video , audio and data signals generated from camera, VTR, video server, etc...

...By deriving signature from the digital signal, two independent terms such as identification code and signature of proving ownership are provided, thus if one term is damaged or removed...

...made available to prove ownership. The necessity for separate channel such as tape track for identification code is avoided, thus subsequent signal processing with retention of identifying code is easily enabled...



... Video source (880...

... Watermark (882

Technology Focus:

... The digital signal generated from the video source comprises  
at least two components according to MPEG, PAL or NTC standards.

...Title Terms: VIDEO ;

...International Patent Class (Main): H04L-009/00

...International Patent Class (Additional): H04L-009/32

30/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013873291 \*\*Image available\*\*

WPI Acc No: 2001-357503/200138

Related WPI Acc No: 1995-200530; 1996-518986; 1997-310156; 1998-009129;

1998-110064; 1998-286225; 1999-204782; 1999-444465; 2000-013122;  
2000-194736; 2000-195398; 2000-365779; 2000-464989; 2000-490584;  
2000-647035; 2001-022904; 2001-335855; 2001-374044; 2001-397673;  
2001-425330; 2001-570080; 2001-580828; 2001-581298; 2001-581665;  
2001-595705; 2001-607222; 2002-011177; 2002-041658; 2002-062159;  
2002-082807; 2002-154357; 2002-163681; 2002-179003; 2002-188040;  
2002-205513; 2002-224088; 2002-226224; 2002-235400; 2002-236852;  
2002-238913; 2002-239839; 2002-254659; 2002-256143; 2002-268672;  
2002-315095; 2002-361599; 2002-361694; 2002-370756; 2002-382444;  
2002-391512; 2002-392577; 2002-392708; 2002-393501; 2002-394013;  
2002-403568; 2002-405083; 2002-413035; 2002-416925; 2002-435593;  
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2002-508021; 2002-528580; 2002-556177; 2002-590019; 2002-598923;  
2002-636862; 2002-642228; 2002-654787; 2002-672857; 2002-673567;  
2002-681419; 2002-691185; 2002-697772; 2002-698265; 2002-750104;  
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2003-174573; 2003-199024; 2003-238411; 2003-266622; 2003-268467;  
2003-275465; 2003-327510; 2003-331365; 2003-353776; 2003-362315;  
2003-391983; 2003-392393; 2003-401297; 2003-418353; 2003-418436;  
2003-419904; 2003-465734; 2003-492022; 2003-557490; 2003-587433;  
2003-597620; 2003-615418; 2003-615425; 2003-655604; 2003-655616;  
2003-655715; 2003-656012; 2003-658647; 2003-659691; 2003-687554;  
2003-689852; 2003-696414; 2003-707329; 2003-730410; 2003-767701;  
2003-777048; 2003-800216; 2003-800961; 2003-802603; 2003-829683;  
2003-897231; 2004-031964; 2004-041644; 2004-059015; 2004-059948;  
2004-070353; 2004-098221; 2004-119479; 2004-155399; 2004-179244;  
2004-179245; 2004-303569; 2004-303696; 2004-375604; 2004-386915;  
2004-487761; 2004-624728; 2004-660515; 2004-698601; 2004-709696;  
2004-831629; 2005-038086

XRFX Acc No: N01-259813

Operating a computer system e.g. for linking to internet resources from  
physical and electronic objects, using new user interfaces, such as  
identifiers that serve to trigger object-appropriate responses from  
computer

Patent Assignee: DIGIMARC CORP (DIGI-N); RHOADS G B (RHOA-I); BRADLEY B A  
(BRAD-I); CONWELL W Y (CONW-I); LEVY K L (LEVY-I); CASTLE J B (CAST-I);  
HEIN W (HEIN-I); ONEY C (ONEY-I); SEDER P (SEDE-I); DAVIS B L (DAVI-I);  
EVANS D B (EVAN-I); DECKER S K (DECK-I); HANNIGAN B T (HANN-I); KLONSKY A  
(KLON-I); RODRIGUEZ T F (RODR-I); SEDER P A (SEDE-I); SHARMA R K (SHAR-I)  
; CARR J S (CARR-I)

Inventor: LEVY K L; RHOADS G B; CARR J S; DAVIS B L; GROSSI B J; HEIN W C;



MACINTOSH B T; MCKINLEY T J; PERRY B W; RODRIQUEZ T F; SEDER P A;  
 RODRIGUEZ T F; BRADLEY B A; CONWELL W Y; CASTLE J B; HEIN W; ONEY C;  
 SEDER P; EVANS D B; DECKER S K; HANNIGAN B T; KLONSKY A; SHARMA R K  
 Number of Countries: 097 Number of Patents: 021

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1054335	A2	20001122	EP 2000110633	A	20000518	200138 B
AU 200048513	A	20001205	AU 200048513	A	20000515	200138
WO 200070585	A1	20001123	WO 2000US13333	A	20000515	200138
US 20010023193	A1	20010920	US 99163332	P	19991103	200156
			US 2001758532	A	20010110	
US 20020028000	A1	20020307	US 99134782	P	19990519	200221
			US 99141468	P	19990629	
			US 99151586	P	19990830	
			US 99158015	P	19991006	
			US 99163332	P	19991103	
			US 99164619	P	19991110	
			US 99476686	A	19991230	
			US 2000571422	A	20000515	
			US 2000574726	A	20000518	
			US 2001858189	A	20010514	
			US 2001888339	A	20010621	
US 20020032864	A1	20020314	US 99134782	P	19990519	200222
			US 99141468	P	19990629	
			US 99151586	P	19990830	
			US 99158015	P	19991006	
			US 99163322	P	19991103	
			US 99164619	P	19991110	
			US 99476686	A	19991230	
			US 2000571422	A	20000515	
			US 2000574726	A	20000518	
			US 2001858189	A	20010514	
EP 1185967	A1	20020313	EP 2000930749	A	20000515	200225
			WO 2000US13333	A	20000515	
US 20020062382	A1	20020523	US 99314648	A	19990519	200239
			US 99141468	P	19990629	
			US 99342688	A	19990629	
			US 99342689	A	19990629	
			US 99342971	A	19990629	
			US 99343101	A	19990629	
			US 99343104	A	19990629	
			US 99151586	P	19990830	
			US 99158015	P	19991006	
			US 99163332	P	19991103	
			US 99164619	P	19991110	
			US 2000531076	A	20000318	
			US 2000543125	A	20000405	
			US 2000547664	A	20000412	
			US 2000552998	A	20000419	
			US 2000571422	A	20000515	
			US 2000636102	A	20000810	
			US 2001915824	A	20010726	
			US 200112676	A	20011105	
KR 2002003394	A	20020112	KR 2001714758	A	20011119	200247
US 20020112165	A1	20020815	US 99314648	A	19990519	200256
			US 99141468	P	19990629	
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			US 2000547664	A	20000412	
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			US 2002113099	A	20020329	
US 20020131076	A1	20020919	US 99343104	A	19990629	200264
			US 200286180	A	20020225	
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			US 96637531	A	19960425	
			WO 96US6618	A	19960507	
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			US 98169088	A	19981008	
			US 99134782	P	19990519	
			US 99343104	A	19990629	
			US 99163332	P	19991103	
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			US 99476686	A	19991230	
			US 2000178028	P	20000126	
			US 2000491534	A	20000126	
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			US 2000563664	A	20000502	
			US 2000571422	A	20000515	
			US 2000640806	A	20000817	
			US 2000670115	A	20000926	
			US 2001769017	A	20010124	
			US 2002147228	A	20020515	
JP 2002544637	W	20021224	JP 2000618954	A	20000515	200313
			WO 2000US13333	A	20000515	
US 20030037075	A1	20030220	US 99151586	P	19990830	200316
			US 2000571422	A	20000515	
			US 2000709255	A	20001108	
			WO 2001US14014	A	20010430	
			US 2001288272	P	20010502	
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			US 2002355856	P	20020210	
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US 20030040957	A1	20030227	US 95508083	A	19950727	200318
			US 98130624	A	19980806	
			US 99134782	P	19990519	
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			US 99342971	A	19990629	
US 20030050961	A1	20030313	US 95508083	A	19950727	200321
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			US 99314648	A	19990519	
US 6542927	B2	20030401	US 95508083	A	19950727	200324
			US 98130624	A	19980806	
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			US 99342689	A	19990629	
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US 6650761	B1	20031118	US 99134782	P	19990519	200376
			US 99314648	A	19990519	
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US 6681028	B2	20040120	US 95508083	A	19950727	200407



		US 96637531	A	19960425	
		US 96649419	A	19960516	
		US 98130624	A	19980806	
		US 98186962	A	19981105	
		US 99314648	A	19990519	
AU 2002309786	A1	20021125	AU 2002309786	A	20020514 200454

Priority Applications (No Type Date): US 2000552998 A 20000419; US 99314648 A 19990519; US 99141468 P 19990629; US 99342688 A 19990629; US 99342689 A 19990629; US 99342971 A 19990629; US 99343101 A 19990629; US 99343104 A 19990629; US 99151586 P 19990830; US 99158015 P 19991006; US 99163332 P 19991103; US 99164619 P 19991110; US 2000531076 A 20000318; US 2000543125 A 20000405; US 2000547664 A 20000412; US 2001758532 A 20010110; US 99134782 P 19990519; US 99476686 A 19991230; US 2000571422 A 20000515; US 2000574726 A 20000518; US 2001858189 A 20010514; US 2001888339 A 20010621; US 99163322 P 19991103; US 2000636102 A 20000810; US 2001915824 A 20010726; US 200112676 A 20011105; US 2002113099 A 20020329; US 200286180 A 20020225; WO 2002US15187 A 20020514; US 95508083 A 19950727; US 96637531 A 19960425; WO 96US6618 A 19960507; US 96649419 A 19960516; US 98169088 A 19981008; US 99473396 A 19991228; US 2000178028 P 20000126; US 2000491534 A 20000126; US 2000504239 A 20000215; US 2000563664 A 20000502; US 2000640806 A 20000817; US 2000670115 A 20000926; US 2001769017 A 20010124; US 2002147228 A 20020515; US 2000709255 A 20001108; WO 2001US14014 A 20010430; US 2001288272 P 20010502; US 2001297229 P 20010607; US 2002355856 P 20020210; US 2002139147 A 20020502; US 98130624 A 19980806; US 2001895748 A 20010629; US 98186962 A 19981105

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1054335	A2	E	90	G06F-017/60	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
AU 200048513	A			G09C-005/00	Based on patent WO 200070585
WO 200070585	A1	E		G09C-005/00	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
US 20010023193	A1			H04M-001/00	Provisional application US 99163332
US 20020028000	A1			G06K-009/00	Provisional application US 99134782
					Provisional application US 99141468
					Provisional application US 99151586
					Provisional application US 99158015
					Provisional application US 99163332
					Provisional application US 99164619
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US 20020032864	A1			H04L-009/00	Provisional application US 99134782
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					Provisional application US 99164619
					CIP of application US 99476686



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	Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT		
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US 20020062382	A1	G06F-015/16	CIP of application US 99314648
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			CIP of application US 2000571422
			CIP of patent US 6311214
US 20020131076	A1	B41F-001/00	Div ex application US 99343104
WO 200293823	A1 E	H04L-009/00	
	Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA		
	CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS		
	JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL		
	PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM		
	Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR		
	IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW		
US 20030012403	A1	G06K-009/00	CIP of application US 95508083
			Cont of application US 96637531
			CIP of application WO 96US6618
			CIP of application US 96649419
			Cont of application US 98169088
			Provisional application US 99134782
			CIP of application US 99343104
			Provisional application US 99163332
			CIP of application US 99473396
			CIP of application US 99476686
			Provisional application US 2000178028



			CIP of application US 2000491534
			CIP of application US 2000504239
			CIP of application US 2000563664
			CIP of application US 2000571422
			CIP of application US 2000640806
			CIP of application US 2000670115
			CIP of application US 2001769017
			Cont of patent US 5822436
			CIP of patent US 5841978
			CIP of patent US 5862260
			Cont of patent US 6111954
			CIP of patent US 6438231
JP 2002544637 W	222	G06F-017/30	Based on patent WO 200070585
US 20030037075 A1		G06F-015/00	Provisional application US 99151586
			CIP of application US 2000571422
			CIP of application US 2000709255
			CIP of application WO 2001US14014
			Provisional application US 2001288272
			Provisional application US 2001297229
			Provisional application US 2002355856
US 20030040957 A1		G06F-017/60	Cont of application US 95508083
			CIP of application US 98130624
			Provisional application US 99134782
			Cont of application US 99314648
			Cont of patent US 5841978
			CIP of patent US 6324573
US 20030050961 A1		G06F-015/16	CIP of application US 95508083
			CIP of application US 98130624
			CIP of patent US 5841978
			CIP of patent US 6324573
US 6542927 B2		G06F-013/00	Cont of application US 95508083
			CIP of application US 98130624
			Provisional application US 99134782
			Cont of application US 99342689
			Cont of patent US 5841978
			Cont of patent US 6311214
			CIP of patent US 6324573
US 6650761 B1		G06K-009/00	Provisional application US 99134782
			CIP of application US 99314648
US 6681028 B2		G06K-009/00	Cont of application US 95508083
			CIP of application US 96637531
			Cont of application US 96649419
			CIP of application US 98130624
			CIP of application US 98186962
			CIP of patent US 5822436
			Cont of patent US 5841978
			Cont of patent US 5862260
AU 2002309786 A1		H04L-009/00	Based on patent WO 200293823

... linking to internet resources from physical and electronic objects,  
 using new user interfaces, such as identifiers that serve to trigger  
 object-appropriate responses from computer

Abstract (Basic):

... The method entails providing a frame of image data, decoding  
 plural-bit **identifier** data from the image data, consulting the  
 registry database to identify a software program corresponding to the  
**identifier** data, and invoking the **identifier** software program. 1.



... fields of the image data are decoded stenographically, with at least one field comprising the **identifier** data, and another field is provided to the identified software program for its use. AN...

...permitting a user to link to remote computer; and 10. Network computer system, responsive to **watermark** data sent from a software program on a remote computer...

...processing device and used to direct a computer to a web site where an image, **video** , and/or audio presentation corresponds to the card is provided. Enables use of electronic commerce to use pre-stored **customer** profile information...

...International Patent Class (Main): **H04L-009/00**

?



34/3,K/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

013326793 \*\*Image available\*\*  
WPI Acc No: 2000-498732/200044  
XRPX Acc No: N00-369713

Control of customer 's access to service on broadband network, involves  
verifying for each service request that the circuit ID of service  
entitlement has same port and remote number as in the service request  
Patent Assignee: US WEST INC (USWU-N); QWEST COMMUNICATIONS INT INC  
(QWES-N)

Inventor: BAKER G; BRODIGAN D L; DODSON P A  
Number of Countries: 091 Number of Patents: 004  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200033495	A1	20000608	WO 99US28161	A	19991129	200044 B
AU 200019253	A	20000619	AU 200019253	A	19991129	200044
US 6091735	A	20000718	US 98201512	A	19981130	200044
EP 1135880	A1	20010926	EP 99962907	A	19991129	200157
			WO 99US28161	A	19991129	

Priority Applications (No Type Date): US 98201512 A 19981130  
Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200033495	A1	E 15	H04J-003/12	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW				
AU 200019253	A		H04J-003/12	Based on patent WO 200033495
US 6091735	A		H04L-012/28	
EP 1135880	A1	E	H04J-003/12	Based on patent WO 200033495
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				

Control of customer 's access to service on broadband network, involves  
verifying for each service request that the circuit ID of service  
entitlement has same port and remote number as in the service request

Abstract (Basic):

... The broadband network has a central node which receives service  
requests from the **customer** to access the services provided by the  
service providers (20a-20f). In the central node, it is verified that  
the circuit ID of the service entitlement has the **same** port **number**  
and remote node **number** as in the service request, for each request.  
... involves establishing circuit identifications for each port,  
generating service order and providing circuit identification and  
**customer** name to the service providers. Service orders generated for  
each circuit identification received by the...  
...transmitted to the network. Then, service requests are provided to the  
ports. After attaching port **number** and remote **number** to the service  
request, each request is transmitted to the central node. After  
verifying the...



...For controlling various services such as **video** , data and telephone provided by very high data rate digital subscriber line broad band network...

...Due to the provision of multiple circuit **identifiers** , service access controls are facilitated...

...The figure shows the schematic of a typical broad band network with multiple **customers** and multiple service providers...

...Title Terms: **CUSTOMER** ;

...International Patent Class (Main): **H04L-012/28**

?



By Wed  
Ram

Access DB# 143613

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name Brian Le Examiner #: 19178 Date: 1-20-05  
Art Unit: 2623 Phone Number 365-5053 Serial Number: 10/815,435  
Location: PK/4B4D Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*  
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Fingerprint of Data.

Inventors (please provide full names): Sumit Malik, Raja Sahu

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

III  
↓  
sheet → selects one from original  
↓  
→ combines sheets from each set → output set =  
↳ number of = input sets

See attached

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>Pamela Lynch</u>	Sequence (#) _____	STN _____	
Searcher Phone #: <u>306-0251</u>	AA Sequence (#) _____	Dialog <u>✓</u>	
Searcher Location: <u>112363</u>	Structure (#) _____	Questel/Orbit _____	
Date Searcher Picked Up: <u>2-1-05</u>	Bibliographic <u>✓</u>	Dr. Link _____	
Date Completed: <u>2-2-05</u>	Litigation _____	Lexis/Nexis _____	
Searcher Prep & Review Time: <u>60</u>	Fulltext <u>✓</u>	Sequence Systems _____	
Clerical Prep Time: _____	Patent Family _____	WWW/Internet <u>✓</u>	
Online Time: <u>240</u>	Other _____	Other (specify) _____	



File 348:EUROPEAN PATENTS 1978-2005/Jan W03

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20050127,UT=20050120

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	2783	DATASET?
S2	238	S1(3N) (SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORTI- ON? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	10	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR REC- OMBIN?) (3N) S2
S4	2199	(OUTPUT OR OUT() PUT) (5N) (EQUAL? OR SAME OR MATCH) (3N) (NUMB- ER? OR TOTAL? OR SUM) (3N) INPUT
S5	4044	WATERMARK? OR WATER() MARK?
S6	3144	TUPLE?
S7	10580	PSEUDORANDOM OR PSEUDO() RANDOM? OR RMK OR REPRESENTATIVE() - MASTER() KEY
S8	160097	VIDEO OR VOD OR VIDEO(1W) DEMAND OR DVD OR MULTIMEDIA OR MU- LTI() MEDIA OR STREAM? (2N) DATA OR VHS() TAPE??
S9	14	MARK? (7N) UNMARK? (5N) S8
S10	98478	FINGERPRINT? OR FINGER() PRINT? OR IDENTIFIER? OR (ID OR ID- ENTIFICATION) (3N) CODE?
S11	99	S8(3N) (SOURCE OR ORIGINATOR OR CREATOR OR DISTRIBUTOR? OR - CUSTOMER?) (5N) S10
S12	74	AU=(SAHI, R? OR MALIK, S? OR SAHI R? OR MALIK S?)
S13	65636	IC=H04L?
S14	1	S3(S) S4
S15	0	S14 NOT NOZZLE
S16	2	S3(S) S10
S17	1	S16 NOT S14
S18	0	S9(S) S11
S19	7416	S8(S) S10
S20	219	S19(S) S5:S7
S21	1	S20(S) S1
S22	1	S21 NOT (S16 OR S14)
S23	3	S12 AND S10
S24	2	S23 NOT (S21 OR S16 OR S14)
S25	1246	S8(3N) S10
S26	0	S25(5N) S4
S27	5	S25(5N) (EQUAL? OR SAME OR MATCH) (3N) (NUMBER? OR TOTAL? OR - SUM)
S28	5	S27 NOT (S23 OR S21 OR S16 OR S14)
S29	0	S3 AND S13
S30	2	S3(S) S10
S31	0	S30 NOT (S27 OR S23 OR S21 OR S16 OR S14)



17/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00952647 \*\*Image available\*\*

**VOLUME BODY RENDERER**

**UNITE DE RENDU DE CORPS VOLUMIQUES**

Patent Applicant/Assignee:

LANDMARK GRAPHICS CORPORATION A HALLIBURTON COMPANY, 4100 Clinton Drive,  
Bldg.1, Ofc. 640, Houston, TX 77020, US, US (Residence), US  
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Inventor(s):

CALLEGARI Andres C, 1333 Eldridge Parkway, Apartment 1511, Houston, TX  
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Legal Representative:

MAXWELL Lawrence D (agent), Needle & Rosenberg, P.C., The Candler  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200286796 A1 20021031 (WO 0286796)

Application: WO 2002US12160 20020417 (PCT/WO US0212160)

Priority Application: US 2001284716 20010418

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI  
SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 11531

Fulltext Availability:

Detailed Description

Detailed Description

... 118 and 120. When all cells have been processed, at step 122 the IV  
identifiers are merged if the input dataset was processed in  
portions (i.e., by defining extents). Alternatively, in other  
embodiments of the invention the merging could...

?



22/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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01196524 \*\*Image available\*\*

**FINGERPRINTING OF DATA**

**EMPREINTE DE DONNEES**

Patent Applicant/Assignee:

SONY PICTURES ENTERTAINMENT INC, 10202 West Washington Boulevard, Culver  
City, CA 90232, US, US (Residence), US (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

MALIK Sumit, 411 S. Madison Avenue, Apt. #106, Pasadena, CA 91101, US, US  
(Residence), IN (Nationality), (Designated only for: US)

SAHI Raja, 3708 Watseka Avenue, Apt. #210, Los Angeles, CA 90034, US, US  
(Residence), IN (Nationality), (Designated only for: US)

Legal Representative:

FROMMER William S (agent), Frommer Lawrence & Haug LLP, 745 Fifth Avenue,  
New York, NY 10151, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200503887 A2 20050113 (WO 0503887)

Application: WO 2004US10047 20040331 (PCT/WO US04010047)

Priority Application: US 2003480687 20030623; US 2003491763 20030731

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO  
SE SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8380

Fulltext Availability:

Detailed Description

Detailed Description

... from one of at least two different masters is selected, at 202.

At 204, a **fingerprint** is then generated. In one implementation, the **fingerprint** is a **pseudorandom** number sequence. At 206, the selected segment(s) is arranged, based on the **fingerprint**, to produce an output **dataset**, such that the number of segments in the output **dataset** is equal to the number of segments in each master. An example of selecting and arranging the segments is described below referring to Figure 3. The produced output **dataset** is stored on an article of media, such as a packaged medium (e.g., burned onto a CD or DVD, copied onto a VHS tape), at 208, to produce a distribution copy. The **fingerprint** is linked to the packaged medium, at 210, and the linkage is stored (e.g., the **fingerprint**, an **ID code** identifying the specific media item, and an **ID code** identifying the customer to receive the item are stored in a database table entry).



24/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00841941 \*\*Image available\*\*

THIN CLIENT METHOD AND SYSTEM FOR GENERATING PAGE DELIVERY LANGUAGE OUTPUT  
FROM APPLETs, VIEWS, AND SCREEN DEFINITIONS  
PROCEDE ET SYSTEME POUR CLIENT LEGER DESTINE A GENERER UNE SORTIE DE LANGUE  
D'EXPEDITION DE PAGE A PARTIR DES APPLIQUETTES, VUES ET DEFINITION DE  
L'ECRAN

Patent Applicant/Assignee:

SIEBEL SYSTEMS INC, 2207 Bridgepointe Parkway, San Mateo, CA 94404, US,  
US (Residence), US (Nationality)

Inventor(s):

SUKLIKAR Atul, 3061 La Selva #C304, San Mateo, CA 94403, US,  
MALIK Salman, 2100 Lyone Street, #6, San Francisco, CA 94115, US

Legal Representative:

WRENN Michael A (et al) (agent), Cooley Godward, LLP, Patent Group, One  
Freedom Square, 11951 Freedom Drive, Reston, VA 20191-5601, US,  
Patent and Priority Information (Country, Number, Date):

Patent: WO 200175610 A1 20011011 (WO 0175610)

Application: WO 2001US10187 20010330 (PCT/WO US0110187)

Priority Application: US 2000540303 20000331

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ  
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6367

Inventor(s):

... MALIK Salman

Fulltext Availability:

Detailed Description

Detailed Description

... the Custom Wins flag. The Name of each Object definition is the same  
as the **Identifier** within the Placeholder.

Each placeholder is mapped to one and only Control or Web Control...

24/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00552849 \*\*Image available\*\*

DATABASE SYNCHRONIZATION AND ORGANIZATION SYSTEM AND METHOD  
SYNCHRONISATION DE BASE DE DONNEES, SYSTEME ET PROCEDE D'ORGANISATION

Patent Applicant/Assignee:

SYNCHROLOGIC INC,



Inventor(s):

MAHAJAN Sameer S,  
MALIK Sanjoy ,  
DONAHOO Michael J,  
NAVATHE Shamkant B,  
AMMAR Mostafa H,  
MCGEOUGH Frank H

Patent and Priority Information (Country, Number, Date):

Patent: WO 200016222 A1 20000323 (WO 0016222)  
Application: WO 99US21661 19990917 (PCT/WO US9921661)  
Priority Application: US 98156075 19980917

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG  
UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ  
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI  
CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7276

Inventor(s):

... MALIK Sanjoy  
Fulltext Availability:  
Detailed Description

Detailed Description

... specification 158 and graduate students specification 160.

Referring to Fig. 3b, a table of group **identifiers** is shown. The group **identifiers** 202, 206, 210, 214, and 218 are shown associated with or assigned to the groups of data of the database. The undergraduate students **identifier** 202 includes the student information 112, where the class is specified as undergraduate students 122, minus the telephone number I I 8. The graduate student group **identifier** 204 includes the student information 112, where the class is identified as graduate students 124 without the phone number 118. The student-phone group **identifier** 206 includes the student record 1 12 with only the student ID I 1 4 and the phone number I 1 8 specified.

The all-courses **identifier** group 212 includes all data courses at the record 150. The all-enrolled class 216...

?



28/3,K/1 (Item 1 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00900902

Digital video signal recording and/or reproducing apparatus  
Vorrichtung zur Aufnahme und/oder Wiedergabe digitaler Videosignalen  
Appareil pour enregistrer et/ou reproduire des signaux video numeriques  
PATENT ASSIGNEE:

VICTOR COMPANY OF JAPAN, LIMITED, (278641), 12, 3-chome, Moriya-Cho  
Kanagawa-ku, Yokohama-Shi Kanagawa-Ken 221, (JP), (applicant designated  
states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Fujiwara, Hisashige, 9028-18-1832, Kaminakazato-cho, Isogo-ku, Yokohama,  
Kanagawa-ken, (JP)

Teranishi, Yasuhiko, 5-4-6-505, Sahara, Yokosuka, Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Wagner, Karl H., Dipl.-Ing. (12561), WAGNER & GEYER Patentanwalte  
Gewurzmuhlstrasse 5, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 822724 A2 980204 (Basic)  
EP 822724 A3 990602

APPLICATION (CC, No, Date): EP 97110814 970701;

PRIORITY (CC, No, Date): JP 96193843 960703; JP 96210648 960722; JP  
96216049 960729

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-009/804;

ABSTRACT WORD COUNT: 110

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9806	3762
SPEC A	(English)	9806	19172
Total word count - document A			22934
Total word count - document B			0
Total word count - documents A + B			22934

...SPECIFICATION free AC region in the same sync block or a free AC region  
in the same video segment.

The ID code shown in Figure 11 stores a track pair number, which  
indicates the sync block for the track in a total of 10 tracks that...

28/3,K/2 (Item 2 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
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00647499

Network for providing switched video services.  
Netzwerk fur die Schaltung von Videodiensten.  
Reseau assurant des services video commutes.

PATENT ASSIGNEE:

BELL TELEPHONE MANUFACTURING COMPANY Naamloze Vennootschap, (268511),  
Francis Wellesplein 1, B-2018 Antwerp, (BE), (applicant designated  
states: BE;DE;ES;FR;GB;IT;NL;SE)  
ALCATEL N.V., (829134), Strawinskyalaan 341, (World Trade Center), NL-1077  
XX Amsterdam, (NL), (applicant designated states: CH;LI)

INVENTOR:

Pauwels, Bart Joseph Gerard, Montensstraat 29, B-2140 Borgerhout, (BE)



Verhille, Henri Albert Julia, Rommersheide I19, B-2960 Brecht, (BE)  
 LEGAL REPRESENTATIVE:  
 Vermeersch, Robert et al (1162), BELL TELEPHONE MANUFACTURING COMPANY  
 Naamloze Vennootschap Patent Department Francis Wellesplein 1, B-2018  
 Antwerpen, (BE)  
 PATENT (CC, No, Kind, Date): EP 625855 A1 941123 (Basic)  
 APPLICATION (CC, No, Date): EP 93870083 930519;  
 PRIORITY (CC, No, Date): EP 93870083 930519  
 DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; NL; SE  
 INTERNATIONAL PATENT CLASS: H04N-007/173  
 ABSTRACT WORD COUNT: 209

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF2	1178
SPEC A	(English)	EPABF2	3820
Total word count - document A			4998
Total word count - document B			0
Total word count - documents A + B			4998

...SPECIFICATION CC2 however detects that a copy has to be made of the packet, since the **number** value stored for the **video** signal **identifier** included in the packet **equals** 1, and inserts in the packet information related to that number value and routing information...

28/3,K/3 (Item 1 from file: 349)  
 DIALOG(R)File 349:PCT.FULLTEXT  
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00850713 \*\*Image available\*\*

**AN INFORMATION REPOSITORY SYSTEM AND METHOD FOR AN ITNERNET PORTAL SYSTEM  
 SYSTÈME ET PROCÈDE DE DÉPÔT D'INFORMATIONS POUR UN SYSTÈME DE PORTAIL  
 INTERNET**

Patent Applicant/Assignee:

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 (Residence), US (Nationality)

Inventor(s):

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 Stateline, NV 89449, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200184377 A2-A3 20011108 (WO 0184377)

Application: WO 2001US13952 20010430 (PCT/WO US0113952)

Priority Application: US 2000201901 20000504

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
 ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
 LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
 TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English



Filing Language: English  
Fulltext Word Count: 20164

Fulltext Availability:  
Detailed Description

Detailed Description

... GeneralType Text 50c stream  
27. SpecificType Text 50c stream  
29. Name Text 250c Stream Name  
Stream Identifier Data Type Table.

1. Strearjall) Number Same Stream ID Number
2. DataSource Text250c Data Source (Which Database)
3. Username Text250c Database User Name
4. Password...

28/3,K/4 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00750764 \*\*Image available\*\*

MULTIPLEXING STRUCTURES, LATENCY REDUCTION, AND STREAM INDEXING FOR  
DELIVERY OF ENCODED INTERACTIVE PROGRAM GUIDE  
STRUCTURES DE MULTIPLEXAGE, REDUCTION DE TEMPS D'ATTENTE, ET INDEXAGE DE  
FLUX POUR FOURNIR UN GUIDE DE PROGRAMMES INTERACTIF CODE

Patent Applicant/Assignee:

DIVA SYSTEMS CORPORATION, 800 Saginaw Drive, Redwood City, CA 94063, US,  
US (Residence), US (Nationality)

Inventor(s):

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EDMONDS Jeremy S, 18923 Sydney Circle, Castro Valley, CA 94546, US,  
COMITO John P, 907 Pleasant Hill Road, Redwood City, CA 94061, US,

Legal Representative:

THOMASON MOSER & PATTERSON LLP (agent), 595 Shrewsbury Avenue, Suite 100,  
Shrewsbury, NJ 07702, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200064171 A1 20001026 (WO 0064171)

Application: WO 2000US9922 20000413 (PCT/WO US0009922)

Priority Application: US 99129598 19990415; US 99293535 19990415; US  
99384394 19990827; US 99428066 19991027; US 99468173 19991210; US  
99466987 19991210; US 99466990 19991210

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES  
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English



Filing Language: English  
Fulltext Word Count: 27541

Fulltext Availability:

Claims

Claim

... identifiers is less in number than the plurality of video packet identifiers;  
predetermining a prime number which is less in number than or equal in number to the plurality of video packet identifiers ;  
dividing each video packet identifier by the prime number in order 1 1 to generate a remainder; and  
using the...

28/3,K/5 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00456834 \*\*Image available\*\*

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY  
COMMUNICATION

SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR  
RESEAU COMMUTE

Patent Applicant/Assignee:

MCI WORLDCOM INC,

Inventor(s):

ZEY David A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9847298 A2 19981022

Application: WO 98US7927 19980415 (PCT/WO US9807927)

Priority Application: US 97835789 19970415; US 97834320 19970415

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU  
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW  
SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 156638

Fulltext Availability:

Detailed Description

Detailed Description

... the Video Mail Server. The recording of video for Store & Forward  
Video is exactly the same as leaving a video -message, described  
above.

Parameters such as destination number , forwarding time, and any other  
audio S&F features currently available are entered through the...

?



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File 95:TEME-Technology & Management 1989-2004/Jun W1  
(c) 2004 FIZ TECHNIK  
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(c) 2004 The HW Wilson Co.  
File 144:Pascal 1973-2005/Jan W4  
(c) 2005 INIST/CNRS  
File 239:Mathsci 1940-2005/Mar  
(c) 2005 American Mathematical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
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(c)2001 ProQuest Info&Learning  
File 483:Newspaper Abs Daily 1986-2005/Jan 29  
(c) 2005 ProQuest Info&Learning  
File 248:PIRA 1975-2005/Jan W2  
(c) 2005 Pira International

Set	Items	Description
S1	38828	DATASET?
S2	13685	S1 AND (SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORT- ION? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	2903	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR REC- OMBIN?) AND S2
S4	7191	(OUTPUT OR OUT() PUT) AND (EQUAL? OR SAME OR MATCH) AND (NU- MBER? OR TOTAL? OR SUM) AND INPUT
S5	16338	WATERMARK? OR WATER()MARK?
S6	15582	TUPLE?
S7	20686	PSEUDORANDOM OR PSEUDO()RANDOM? OR RMK OR REPRESENTATIVE()- MASTER()KEY
S8	610449	VIDEO OR VOD OR VIDEO(1W)DEMAND OR DVD OR MULTIMEDIA OR MU- LTI()MEDIA OR STREAM?(2N)DATA OR VHS()TAPE??
S9	25	MARK? AND UNMARK? AND S8
S10	89146	FINGERPRINT? OR FINGER()PRINT? OR IDENTIFIER? OR (ID OR ID- ENTIFICATION) (3N)CODE?
S11	110	S8 AND (SOURCE OR ORIGINATOR OR CREATOR OR DISTRIBUTOR? OR CUSTOMER?) AND S10
S12	4171	AU=(SAHI, R? OR MALIK, S? OR SAHI R? OR MALIK S?)
S13	6	S3 AND S4
S14	2	RD S13 (unique items)
S15	1	S14 NOT (AGRICULTUR? OR OCEAN)
S16	0	S15 NOT HYDRAULIC
S17	33	S2 AND (S5 OR S6 OR S7)
S18	0	S17 AND S8
S19	0	S17 AND S10



S20	0	S17 AND S4
S21	33	S17 NOT S13
S22	20	RD S21 (unique items)
S23	20	S1 AND S4
S24	0	S23 AND S10
S25	0	S23 AND S5:S7
S26	107	S1 AND S5:S7
S27	0	S26 AND (S10 OR S11)
S28	4	S26 AND S8
S29	1	RD S28 (unique items)
S30	0	S11 AND S4
S31	0	S4 AND S9
S32	1252	S10 AND S8
S33	0	S32 AND S4
S34	0	S32 AND S3
S35	0	S32 AND S2
S36	8	S32 AND S1
S37	4	RD S36 (unique items)
S38	4	S37 NOT (S17 OR S13 OR S28)
S39	7	S12 AND S10
S40	5	RD S39 (unique items)
S41	1	S40 NOT (OXIDES OR X-RAY OR BANDS OR PROTON? OR RAMAN)
S42	10	S12 AND S8
S43	10	S42 NOT (S39 OR S37 OR S17 OR S13 OR S28)
S44	8	RD S43 (unique items)



22/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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8107442 INSPEC Abstract Number: C2004-10-6160Z-028

**Title: Range cube: efficient cube computation by exploiting data correlation**

Author(s): Ying Feng; Agrawal, D.; El Abbadi, A.; Metwally, A.

Author Affiliation: Dept. of Comput. Sci., California Univ., Santa Barbara, CA, USA

Conference Title: Proceedings. 20th International Conference on Data Engineering p.658-69

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 2004 Country of Publication: USA xx+880 pp.

ISBN: 0 7695 2065 0 Material Identity Number: XX-2004-00510

U.S. Copyright Clearance Center Code: 1063-6382/04/\$20.00

Conference Title: Proceedings. 20th International Conference on Data Engineering

Conference Sponsor: Microsoft Res.; bea; IBM; MITRE; Sun Microsystems

Conference Date: 30 March-2 April 2004 Conference Location: Boston, MA, USA

Language: English

Subfile: C

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...Abstract: trie, is used to compress and identify correlation in attribute values, and compress the input **dataset** to effectively reduce the computational cost. The range cubing algorithm generates a compressed cube, called range cube, which **partitions** all cells into disjoint ranges. Each range represents a **subset** of cells with the same aggregation value, as a **tuple** which has the same number of dimensions as the input data **tuples**. The range cube preserves the roll-up/drill-down semantics of a data cube. Compared to H-cubing, experiments on real **dataset** show a running time of less than one thirtieth, still generating a range cube of

...

...Identifiers: real **dataset** ;

22/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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7994120 INSPEC Abstract Number: A2004-14-8730C-045; B2004-07-7510D-101

**Title: Principal dynamic mode analysis of a spider mechanoreceptor action potentials**

Author(s): Mitsis, G.D.; Courellis, S.; French, A.S.; Marmarelis, V.Z.

Author Affiliation: Dept. of Biomed. Eng., Southern California Univ., Los Angeles, CA, USA

Conference Title: Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (IEEE Cat. No.03CH37439) Part Vol.3 p.2051-4 Vol.3

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2003 Country of Publication: USA 4295 pp.

ISBN: 0 7803 7789 3 Material Identity Number: XX-2004-00272

U.S. Copyright Clearance Center Code: 0-7803-7789-3/03/\$17.00

Conference Title: Proceedings of the 25th Annual International Conference of the IEEE Engineering in Medicine and Biology Society

Conference Sponsor: Whitaker Found

Conference Date: 17-21 Sept. 2003 Conference Location: Cancun, Mexico



Language: English

Subfile: A B

Copyright 2004, IEE

...Abstract: methodology. The cuticular sense organ of an adult Cupiennius Salei spider was stimulated with a **pseudorandom** Gaussian process spectrally bound at 400 Hz and the resulting action potentials were recorded. Data...

... based on the second order Volterra kernel, which is estimated from the recorded input/output **datasets**. The first PDM exhibits high-pass behavior, illustrating the importance of the speed of the...

... multiple-input nonlinearity that receives the values of the convolution of each mode with the **pseudorandom** input as its inputs. The probability of firing function exhibits asymmetric behavior with respect to its arguments, suggesting directional dependence of the mechanoreceptor response on the PDM outputs. Trigger **regions** for a probability threshold value of 0.1 are also presented.

...Identifiers: **pseudorandom** Gaussian process

22/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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7664126 INSPEC Abstract Number: C2003-07-6160-014

**Title: Continuous nearest neighbor search**

Author(s): Yufei Tao; Papadias, D.; Qiongmao Shen

Author Affiliation: Dept. of Comput. Sci., Hong Kong Univ. of Sci. & Technol., China

Conference Title: Proceedings of the Twenty-eighth International Conference on Very Large Data Bases p.287-98

Editor(s): Bernstein, P.A.; Ioannidia, Y.E.; Ramakrishnan, R.; Papadias, D.

Publisher: Morgan Kaufmann Publishers, San Francisco, CA, USA

Publication Date: 2002 Country of Publication: USA xxvi+1118 pp.

ISBN: 1 55860 869 9 Material Identity Number: XX-2002-02181

Conference Title: VLDB 2002: 28th International Conference on Very Large Databases

Conference Date: 20-23 Aug. 2002 Conference Location: Hong Kong, China

Language: English

Subfile: C

Copyright 2003, IEE

...Abstract: continuous nearest neighbor query retrieves the nearest neighbor (NN) of every point on a line **segment** (e.g., "find all my nearest gas stations during my route from point s to point e"). The result contains a set of <point, interval> **tuples**, such that point is the NN of all points in the corresponding interval. Existing methods...

... propose techniques that solve the problem by performing a single query for the whole input **segment**. As a result the cost, depending on the query and **dataset** characteristics, may drop by orders of magnitude. In addition, we propose analytical models for the...

...Identifiers: line **segment**; ...

... **dataset** characteristics



22/3,K/4 (Item 4 from file: 2)  
DIALOG(R)File 2:INSPEC  
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7652685 INSPEC Abstract Number: C2003-07-4250-004

**Title: Space decomposition in data mining - a clustering approach**  
Author(s): Maimon, O.; Rokach, L.; Lavi, I.  
Author Affiliation: Dept. of Ind. Eng., Tel Aviv Univ., Israel  
Conference Title: 22nd Convention of Electrical and Electronics Engineers in Israel. Proceedings (Cat. No.02EX637) p.101-4  
Publisher: IEEE, Piscataway, NJ, USA  
Publication Date: 2002 Country of Publication: USA 357 pp.  
ISBN: 0 7803 7693 5 Material Identity Number: XX-2003-00147  
Conference Title: 22nd Convention of Electrical and Electronics Engineers in Israel. Proceedings  
Conference Sponsor: Motorola Israel; Technion; Holon Academic Inst. Technol.; Tel-Avie Univ.; Gordon Center for Energy Studies; Jerusalem College of Technol. - Machon Lev; Omicron Delta  
Conference Date: 1 Dec. 2002 Conference Location: Tel-Aviv, Israel  
Language: English  
Subfile: C  
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Abstract: Decomposition may divide the database horizontally ( **subsets** of rows or **tuples** ) or vertically. It may be aimed at minimizing space and time needed for the classification of a **dataset** (e.g. sampling, windowing) or rather attempt to improve accuracy (e.g. bagging, boosting). This...

...Identifiers: **dataset** ;

22/3,K/5 (Item 5 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

6943875 INSPEC Abstract Number: C2001-07-1230R-020

**Title: Selecting optimal split-functions for large datasets**  
Author(s): Stoffel, K.; Raileanu, L.E.  
Author Affiliation: IIUN, Neuchatel Univ., Switzerland  
Conference Title: Research and Development in Intelligent Systems XVII. Proceedings of ES2000, the Twentieth SGES International Conference on Knowledge Based Systems and Applied Artificial Intelligence p.62-72  
Editor(s): Bramer, M.; Preece, A.; Coenen, F.  
Publisher: Springer-Verlag London, London, UK  
Publication Date: 2001 Country of Publication: UK ix+388 pp.  
ISBN: 1 85233 403 7 Material Identity Number: XX-2000-02807  
Conference Title: Proceedings of ES2000: Twentieth SGES International Conference on Knowledge Based Systems and Applied Artificial Intelligence  
Conference Date: Dec. 2000 Conference Location: Cambridge, UK  
Language: English  
Subfile: C  
Copyright 2001, IEE

**Title: Selecting optimal split-functions for large datasets**  
...Abstract: trees is finding the right criteria for splitting the training set into smaller and smaller **subsets** so that, ideally, all elements of a **subset** finally belong to one class. These split criteria



can be defined in different ways (e.g. minimizing impurity of a **subset** , or minimizing entropy in a **subset** ), and therefore they emphasize different properties of the inferred tree, such as size or classification ...

...tested them on 9,000 data sets of different sizes (from 200 to 20,000 **tuples** ). The tests have shown that the two popular functions are very sensitive to the variation...

...Identifiers: large **datasets** ;

22/3,K/6 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6696787 INSPEC Abstract Number: C2000-10-1230L-020

**Title:** Weighted majority decision among region rules for a categorical dataset

**Author(s):** Nakaya, A.; Morishita, S.

**Author Affiliation:** Tokyo Univ., Japan

**Conference Title:** Discovery Science. Second International Conference, DS'99. Proceedings (Lecture Notes in Artificial Intelligence Vol.1721)  
p.345-6

**Editor(s):** Arikawa, S.; Furukawa, K.

**Publisher:** Springer-Verlag, Berlin, Germany

**Publication Date:** 1999 **Country of Publication:** Germany xi+374 pp.

**ISBN:** 3 540 66713 X **Material Identity Number:** XX-2000-00295

**Conference Title:** Discovery Science. Second International Conference, DS'99. Proceedings

**Conference Date:** 6-8 Dec. 1999 **Conference Location:** Tokyo, Japan

**Language:** English

**Subfile:** C

**Copyright** 2000, IEE

**Title:** Weighted majority decision among region rules for a categorical dataset

**Abstract:** In a given **dataset** , we regard each pair of numeric attributes as a two-dimensional attribute. A rule which classifies **tuples** according to a judgment whether or not a **tuple** has a particular value of a two-dimensional attribute is called a **region** rule. A **region** rule associated with two attributes x and y is depicted on the x-y plane. In our previous study (1999), we proposed weighted majority decision among several **region** rules to classify numeric **datasets** , especially focusing on the readability of the obtained knowledge. In this paper, we generalize the strategy in order that it can cope with categorical **datasets** .

...Identifiers: **region** rules...

...categorical **dataset** ;

22/3,K/7 (Item 7 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6696749 INSPEC Abstract Number: C2000-10-6170K-036

**Title:** Weighted majority decision among several region rules for scientific discovery

**Author(s):** Nakaya, A.; Furukawa, H.; Morishita, S.



Author Affiliation: Tokyo Univ., Japan  
Conference Title: Discovery Science. Second International Conference,  
DS'99. Proceedings (Lecture Notes in Artificial Intelligence Vol.1721)  
p.17-29

Editor(s): Arikawa, S.; Furukawa, K.  
Publisher: Springer-Verlag, Berlin, Germany  
Publication Date: 1999 Country of Publication: Germany xi+374 pp.  
ISBN: 3 540 66713 X Material Identity Number: XX-2000-00295  
Conference Title: Discovery Science. Second International Conference,  
DS'99. Proceedings  
Conference Date: 6-8 Dec. 1999 Conference Location: Tokyo, Japan  
Language: English  
Subfile: C  
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**Title: Weighted majority decision among several region rules for scientific discovery**

...Abstract: a categorical attribute of interest using the other numerical attributes in a given set of **tuples**. Decision by voting such as bagging and boosting attempts to enhance the existing classification techniques...

... voters that can compete with complex prediction tools. We pursue this idea to handle numeric **datasets** and employ **region** splitting rules as relatively simple voters. The results of empirical tests show that the accuracy...

...Identifiers: **region** rules...

...numeric **datasets** ; ...

... **region** splitting rules

22/3,K/8 (Item 8 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6681916 INSPEC Abstract Number: C2000-10-1230D-010

**Title: Variable sensitivity in unsupervised clustering tasks with an n-tuple -based self-organising neural network**

Author(s): Tambouratzis, G.  
Author Affiliation: Dept. of Machine Translation, Inst. for Language & Speech, Process., Athens, Greece

Journal: International Journal of Neural Systems vol.10, no.2 p. 107-21

Publisher: World Scientific,  
Publication Date: April 2000 Country of Publication: Singapore  
CODEN: IJSZEG ISSN: 0129-0657  
SICI: 0129-0657(200004)10:2L.107:VSUC;1-X  
Material Identity Number: N725-2000-004  
Language: English  
Subfile: C  
Copyright 2000, IEE

**Title: Variable sensitivity in unsupervised clustering tasks with an n-tuple -based self-organising neural network**

Abstract: This article investigates the application of the SOLNN (self-organising logic neural network) n- **tuple** -based network to character



recognition and image **segmentation** clustering tasks, where the classes consist of a large number of distinct sub-classes. It...

... in accordance to the pattern space characteristics and thus is well-suited to clustering complex **datasets** .

...Descriptors: image **segmentation** ;

...Identifiers: image **segmentation** ;

22/3,K/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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6340175 INSPEC Abstract Number: C1999-10-4250-011

**Title: TANE: an efficient algorithm for discovering functional and approximate dependencies**

Author(s): Huhtala, Y.; Kirkkainen, J.; Porkka, P.; Toivonen, H.

Author Affiliation: Dept. of Comput. Sci., Helsinki Univ., Finland

Journal: Computer Journal vol.42, no.2 p.100-11

Publisher: Oxford University Press for British Comput. Soc,

Publication Date: 1999 Country of Publication: UK

CODEN: CMPJA6 ISSN: 0010-4620

SICI: 0010-4620(1999)42:2L:100:TEAD;1-X

Material Identity Number: C022-1999-005

Language: English

Subfile: C

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...Abstract: TANE, an efficient algorithm for finding functional dependencies from large databases. TANE is based on **partitioning** the set of rows with respect to their attribute values, which makes testing the validity of functional dependencies fast even for a large number of **tuples** . The use of **partitions** also makes the discovery of approximate functional dependencies easy and efficient and the erroneous or...

... orders of magnitude over previously published results. The algorithm is also applicable to much larger **datasets** than the previous methods.

22/3,K/10 (Item 10 from file: 2)

DIALOG(R)File 2:INSPEC

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6168013 INSPEC Abstract Number: C1999-03-6130-010

**Title: Data reduction based on hyper relations**

Author(s): Wang, H.; Duntsch, I.; Bell, D.

Author Affiliation: Sch. of Inf. & Software Eng., Ulster Univ., Newtownabbey, UK

Conference Title: Proceedings Fourth International Conference on Knowledge Discovery and Data Mining p.349-53

Editor(s): Agrawal, R.; Stolorz, P.

Publisher: AAAI Press, Menlo Park, CA, USA

Publication Date: 1998 Country of Publication: USA xii+382 pp.

ISBN: 1 57735 070 7 Material Identity Number: XX-1998-02231

Conference Title: Proceedings of the Fourth International Conference on Knowledge Discovery and Data Mining

Conference Date: 27-31 Aug. 1998 Conference Location: New York, NY, USA

Language: English



Subfile: C  
Copyright 1999, IEE

**Abstract:** Data reduction makes **datasets** smaller but preserves classification structures of interest. We present a novel approach to data reduction...

... generalization of conventional database relations in the sense that we allow sets of values as **tuple** entries. The advantage of this is that raw data and reduced data can both be...

... be naturally made into a complete Boolean algebra, and so for any collection of hyper **tuples** we can find its unique least upper bound (lub) as a reduction of it. We...

...that the lub may not qualify as a reduced version of the given set of **tuples**, but the interior cover-the **subset** of internal elements covered by the lub-does qualify. We establish the theoretical result that...

... find a way to find it. The proposed method was evaluated using 7 real world **datasets**. The results were quite remarkable compared with those obtained by C4.5, and the **datasets** were reduced with reduction ratios up to 99%.

...Identifiers: **datasets** ; ...

... **tuple** entries

22/3,K/11 (Item 11 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6062536 INSPEC Abstract Number: C9812-6170K-015

**Title:** Using multi-attribute predicates for mining classification rules

**Author(s):** Ming-Syan Chen

**Author Affiliation:** Dept. of Electr. Eng., Nat. Taiwan Univ., Taipei, Taiwan

**Conference Title:** Proceedings. The Twenty-Second Annual International Computer Software and Applications Conference (Compsac '98) (Cat. No.98CB 36241) p.636-41

**Editor(s):** Hughes, E.

**Publisher:** IEEE Comput. Soc, Los Alamitos, CA, USA

**Publication Date:** 1998 **Country of Publication:** USA xix+651 pp.

**ISBN:** 0 8186 8585 9 **Material Identity Number:** XX98-02674

**U.S. Copyright Clearance Center Code:** 0 8186 8585 9/98/\$10.00

**Conference Title:** Proceedings. The Twenty-Second Annual International Computer Software and Applications Conference (Compsac '98) (Cat. No.98CB 36241)

**Conference Sponsor:** IEEE Comput. Soc

**Conference Date:** 19-21 Aug. 1998 **Conference Location:** Vienna, Austria

**Language:** English

**Subfile:** C

**Copyright** 1998, IEE

**Abstract:** In order to improve the efficiency of deriving classification rules from a large training **dataset**, we develop in this paper a two-phase method for multi-attribute extraction. A feature that is useful in inferring the group identity of a data **tuple** is said to have a good inference power to that group identity. Given a large training set of data



**tuples** , the first phase, referred to as feature extraction phase, is applied to a **subset** of the training database with the purpose of identifying useful features which have good inference...

...Identifiers: data **tuples**

22/3,K/12 (Item 12 from file: 2)  
DIALOG(R) File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

5840308 INSPEC Abstract Number: C9804-5290-004

**Title: The theoretical and experimental status of the n- tuple classifier**

Author(s): Rohwer, R.; Morciniec, M.

Journal: Neural Networks vol.11, no.1 p.1-14

Publisher: Elsevier,

Publication Date: Jan. 1998 Country of Publication: USA

CODEN: NNETEB ISSN: 0893-6080

SICI: 0893-6080(199801)11:1L.1:TEST;1-Q

Material Identity Number: L963-98001

U.S. Copyright Clearance Center Code: 0893-6080/98/\$19.00+.00

Language: English

Subfile: C

Copyright 1998, IEE

**Title: The theoretical and experimental status of the n- tuple classifier**

Abstract: A number of theoretical approaches related to the n- tuple classification system are reviewed including Kanerva's (1988) sparse distributed memory, the n- tuple regression network, the Hamming distance framework and likelihood estimation. The limitations of these methods are

... resemblances that exist between them are underlined. Large-scale experiments carried out on StatLog project **datasets** confirm the n- tuple method as a viable competitor to more popular methods due to its speed, simplicity and...

... variety of classification problems. A further investigation into the failure of the method on certain **datasets** shows its inner workings and reveals two main problems: difficulties with highly skewed class priors...

... scales involved in generalization, the amount of training data available, and the volume of the **region** in which data is likely to exist. This highlights areas where improvements in the method...

Identifiers: n- **tuple** classifier...

...n- **tuple** regression network...

...StatLog project **datasets** ;

22/3,K/13 (Item 1 from file: 8)  
DIALOG(R) File 8: Ei Compendex(R)  
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06957651 E.I. No: EIP04308284839

**Title: Pseudorandom testing**

Author: Lecky-Thompson, Guy W.

Source: Dr. Dobb's Journal v 29 n 8 August 2004.

Publication Year: 2004



CODEN: DDJTEQ ISSN: 1044-789X  
Language: English

**Title: Pseudorandom testing**

...Abstract: is that once the algorithm has been implemented, one can provide it with a test **dataset** and compare the result with the known outputs. WinRunner is one such tool whose advantages...

...suggested that the programmers and test teams need to devise methods of validating these core **parts** of the system prior to releasing them as **part** of the final package. (Edited abstract)

Identifiers: **Dataset** ; Design methodologies; String handling; File handling

22/3,K/14 (Item 2 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

06880101 E.I. No: EIP04238193892

**Title: Range CUBE: Efficient cube computation by exploiting data correlation**

Author: Feng, Ying; Agrawal, Divyakant; El Abbadi, Amr; Metwally, Ahmed  
Corporate Source: Department of Computer Science University of California, Santa Barbara, CA, United States

Conference Title: Proceedings - 20th International Conference on Data Engineering - ICDE 2004

Conference Location: Boston, MA., United States Conference Date: 20040330-20040402

E.I. Conference No.: 62960

Source: Proceedings - International Conference on Data Engineering  
Proceedings - 20th International Conference on Data Engineering - ICDE 2004  
v 20 2004.

Publication Year: 2004

CODEN: PIDEEG

Language: English

...Abstract: trie, is used to compress and identify correlation in attribute values, and compress the input **dataset** to effectively reduce the computational cost. The range cubing algorithm generates a compressed cube, called range cube, which **partitions** all cells into disjoint ranges. Each range represents a **subset** of cells with the same aggregation value, as a **tuple** which has the same number of dimensions as the input data **tuples**. The range cube preserves the roll-up/drill-down semantics of a data cube. Compared to H-Cubing, experiments on real **dataset** show a running time of less than one thirtieth, still generating a range cube of...

22/3,K/15 (Item 3 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
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05935922 E.I. No: EIP01456721507

**Title: Implementation and complexity of the watershed-from-markers algorithm computed as a minimal cost forest**

Author: Felkel, P.; Bruckschwaiger, M.; Wegenkittl, R.

Corporate Source: VrVis Center, A-1030 Vienna, Austria



Source: Computer Graphics Forum v 20 n 3 Sep 3 2001. p C/26-C/35  
Publication Year: 2001  
CODEN: CGFODY ISSN: 0167-7055  
Language: English

...Abstract: 2D case (image) without a detailed discussion of its computation and memory demands for real **datasets**. As IFT cleverly solves the problem of plateaus and as it gives precise results when thin objects have to be **segmented**, it is obvious to use this algorithm for 3D **datasets** taking in mind the minimizing of a higher memory consumption for the 3D case without...

...costly memory allocation and needs only 19-45% of memory for typical 3D medical imaging **datasets**. Memory saving was reached by an IFT algorithm simplification, which stores more elements in temporary...

...but these elements are simpler and thus need less memory. The best presented modification allows **segmentation** of large 3D medical **datasets** (up to 512 multiplied by 512 multiplied by 680 voxels) with 12- or 16-bits

...  
Descriptors: \*Digital **watermarking**; Mathematical morphology; Watersheds; Image **segmentation**; Queueing theory; Computer workstations; Three dimensional

22/3,K/16 (Item 4 from file: 8)  
DIALOG(R)File 8: Ei Compendex(R)  
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

03875230 E.I. No: EIP94061311404

Title: **Volcano-an extensible and parallel query evaluation system**  
Author: Graefe, Goetz  
Corporate Source: Portland State Univ, Portland, OR, USA  
Source: IEEE Transactions on Knowledge and Data Engineering v 6 n 1 Feb 1994. p 120-135  
Publication Year: 1994  
CODEN: ITKEEH ISSN: 1041-4347  
Language: English

...Abstract: and any operation can be realized. Thus Volcano is extensible with new operators, algorithms, data **tuples** and type-specific methods. Volcano includes two novel meta-operators. The choose-plan meta-operator...

...for embedded queries with free variables. The exchange meta-operator supports infra-operator parallelism on **partitioned datasets** and both vertical and horizontal inter-operator parallelism, translating between demand-driven dataflow within processes...

22/3,K/17 (Item 1 from file: 34)  
DIALOG(R)File 34: SciSearch(R) Cited Ref Sci  
(c) 2005 Inst for Sci Info. All rts. reserv.

12122347 Genuine Article#: BX62P No. References: 17  
Title: **Inference based classifier: Efficient construction of decision trees for sparse categorical attributes**  
Author(s): Lo SH (REPRINT); Ou JC; Chen MS  
Corporate Source: Natl Taiwan Univ, Dept Elect Engn, Taipei 10764//Taiwan/



(REPRINT); Natl Taiwan Univ, Dept Elect Engr, Taipei 10764//Taiwan/  
, 2003, V2737, P182-191  
ISSN: 0302-9743 Publication date: 20030000  
Publisher: SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN,  
GERMANY DATA WAREHOUSING AND KNOWLEDGE DISCOVERY, PROCEEDINGS  
Series: LECTURE NOTES IN COMPUTER SCIENCE  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: a discriminating attribute is an attribute, by whose value we  
are likely to distinguish one **tuple** from another. In this paper, we  
propose an efficient decision tree classifier for categorical attribute  
...

...Also, IBC has the advantage of deciding the splitting number  
automatically based on the generated **partitions**. IBC is empirically  
compared to C4.5, SLIQ and K-means based classifiers. The experimental  
results show that IBC significantly outperforms the companion methods  
in execution efficiency for **dataset** with categorical attributes of  
sparse distribution while attaining approximately the same  
classification accuracies. Consequently, IBC...

22/3,K/18 (Item 2 from file: 34)  
DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
(c) 2005 Inst for Sci Info. All rts. reserv.

10395938 Genuine Article#: 520XG No. References: 43  
Title: Graphical presentation of the African tardigrade fauna using GIS  
with the description of *Isohypsibius malawiensis* sp n. (Eutardigrada :  
*Hypsibiidae*) from Lake Malawi  
Author(s): Jorgensen A (REPRINT)  
Corporate Source: Danish Bilharziasis Lab, Jaegersborg Alle 1D/DK-2920  
Charlottenlund//Denmark/ (REPRINT); Danish Bilharziasis Lab, DK-2920  
Charlottenlund//Denmark/  
Journal: ZOOLOGISCHER ANZEIGER, 2001, V240, N3-4 (DEC), P441-449  
ISSN: 0044-5231 Publication date: 20011200  
Publisher: URBAN & FISCHER VERLAG, BRANCH OFFICE JENA, P O BOX 100537,  
D-07705 JENA, GERMANY  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: Worldmap, a Geographical Information System (GIS) developed  
for exploring geographical diversity patterns in large biological  
**datasets**. References to the African tardigrade fauna have been  
gathered from published literature and supplemented with unpublished  
species information from the collection of Prof. Reinhardt M.  
Kristensen ( **RMK** ), Zoological Museum, University of Copenhagen. 156  
species belonging to 36 genera of tardigrades are present...  
...with only a single report from the shores of the African continent. Data  
from the **RMK** collection of samples from Egypt is included in the  
analysis. The scattered and sparse knowledge of the African tardigrade  
distribution makes general conclusions difficult, but emphasises the  
large **regions** which require further investigation. The current  
distribution patterns corresponds with easy accessible or "tourist"  
locations. **Regions** where GIS could be used to illustrate ecological  
preferences are also pointed out by the...

22/3,K/19 (Item 1 from file: 35)



DIALOG(R)File 35:Dissertation Abs Online  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01789998 ORDER NO: AADAA-I9998233

**Computing and querying datacubes**

Author: Zaman, Kazi Atif-Uz

Degree: Ph.D.

Year: 2001

Corporate Source/Institution: Columbia University (0054)

Source: VOLUME 61/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 6575. 128 PAGES

ISBN: 0-493-06679-9

...the computation of datacubes and frameworks for querying them.

Often one wants only datacube output **tuples** whose aggregate value satisfies a certain condition, such as exceeding a given threshold. For example...

...done by computing the entire datacube and checking if the selection condition holds for each **tuple** in the result. However, it is often the case that selections are relatively restrictive, meaning that a lot of work computing datacube **tuples** is "wasted" since those **tuples** don't satisfy the selection condition.

Our approach is to develop algorithms for processing a...

...By making use of the selection condition within the datacube computation, we can safely prune **parts** of the computation and end up with a more efficient computation of the answer. Our first technique, called "specialization", uses the fact that a **tuple** in the datacube does not meet the given threshold to infer that all finer level...

...refer to these as "projected datacube" queries.

Generalization uses the fact that a **tuple** meets the given threshold to infer that all coarser level aggregates also meet the threshold...

...piece of work we study a main memory based framework for querying datacubes. For large **datasets** with many dimensions, the complete datacube may be very large. In order to support on...

22/3,K/20 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2004 The HW Wilson Co. All rts. reserv.

1911769 H.W. WILSON RECORD NUMBER: BAST99047904

**T A N E: an efficient algorithm for discovering functional and approximate dependencies**

Huhtala, Yka; Karkkainen, Juha; Porkka, Pasi

The Computer Journal v. 42 no2 (1999) p. 100-11

DOCUMENT TYPE: Feature Article ISSN: 0010-4620

...ABSTRACT: algorithm for finding functional dependencies from large databases. T A N E is based on **partitioning** the set of rows with respect to their attribute values, which makes testing the validity of functional dependencies fast even for a large number of **tuples**. The use of **partitions** also makes the discovery of approximate functional dependencies easy and efficient and the erroneous or...

...orders of magnitude over previously published results. The algorithm is



also applicable to much larger **datasets** than the previous methods.  
Reprinted by permission of the publisher.

DESCRIPTORS: ... **Partitioning** algorithms;  
?



29/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7488817 INSPEC Abstract Number: C2003-02-6160-001

**Title: Squeezer: An efficient algorithm for clustering categorical data**

Author(s): He Zengyou; Xu Xiaofei; Deng Shengchun

Author Affiliation: Dept. of Comput. Sci. & Eng., Harbin Inst. of Technol., China

Journal: Journal of Computer Science and Technology (English Language Edition) vol.17, no.5 p.611-24

Publisher: Science Press,

Publication Date: Sept. 2002 Country of Publication: China

CODEN: JCTEEM ISSN: 1000-9000

SICI: 1000-9000(200209)17:5L.611:SEAC;1-8

Material Identity Number: M500-2002-005

Language: English

Subfile: C

Copyright 2003, IEE

...Abstract: clustering results and at the same time deserve good scalability. The Squeezer algorithm reads each **tuple** *t* in sequence, either assigning *t* to an existing cluster (initially none), or creating *t*

...

... *t* and clusters. Due to its characteristics, the proposed algorithm is extremely suitable for clustering **data streams**, where given a sequence of points, the objective is to maintain consistently good clustering of...

... also be handled efficiently and directly in Squeezer. Experimental results on real-life and synthetic **datasets** verify the superiority of Squeezer.

...Identifiers: **data streams** ; ...

...synthetic **datasets**

?



38/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7522985 INSPEC Abstract Number: C2003-03-6160M-007

**Title: New kernels for analyzing multimodal data in multimedia using kernel machines**

Author(s): Aradhye, H.; Dorai, C.

Author Affiliation: SRI Int., Menlo Park, CA, USA

Conference Title: Proceedings 2002 IEEE International Conference on Multimedia and Expo (Cat. No.02TH8604) Part vol.2 p.37-40 vol.2

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2002 Country of Publication: USA 2 vol. (xxx+924+625) pp.

ISBN: 0 7803 7304 9 Material Identity Number: XX-2002-02965

U.S. Copyright Clearance Center Code: 0-7803-7304-9/02/\$17.00

Conference Title: Proceedings of IEEE International Conference on Multimedia and Expo (ICME)

Conference Date: 26-29 Aug. 2002 Conference Location: Lausanne, Switzerland

Language: English

Subfile: C

Copyright 2003, IEE

**Title: New kernels for analyzing multimodal data in multimedia using kernel machines**

...Abstract: collection of low-level feature extractors, such as face detectors, videotext extractors, speech and speaker **identifiers**, people/vehicle trackers, and event locators. These media metadata are often symbolic rather than continuous...

... context of kernel-space methods such as Kernel PCA and SVM, in classifying machine learning **datasets** from the UCI repository and in temporal clustering and tracking of videotext in **multimedia**. We show that the generalized kernels help capture information from symbolic feature spaces, visualize symbolic...

... aid tasks such as classification and clustering, and therefore are useful in multimodal analysis of **multimedia**.

...Descriptors: **multimedia** databases

...Identifiers: **multimedia**; ...

...machine learning **datasets**;

38/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

5324362 INSPEC Abstract Number: C9609-6160J-001

**Title: A teradata content-based multimedia object manager for massively parallel architectures**

Author(s): O'Connell, W.; Jeong, I.T.; Schrader, D.; Watson, C.; Au, G.; Biliris, A.; Choo, S.; Colin, P.; Linderman, G.; Panagos, E.; Wang, J.; Walter, T.

Author Affiliation: Lucent Bell Labs., Murray Hill, NJ, USA

Journal: SIGMOD Record Conference Title: SIGMOD Rec. (USA) vol.25, no.2 p.68-78



Publisher: ACM,  
Publication Date: June 1996 Country of Publication: USA  
CODEN: SRECD8 ISSN: 0163-5808  
SICI: 0163-5808(199606)25:2L:68:TCBM;1-X  
Material Identity Number: A660-96002  
U.S. Copyright Clearance Center Code: 0 89791 794 4/96/0006.\$3.50  
Conference Title: 1996 ACM SIGMOD International Conference on Management  
of Data  
Conference Sponsor: ACM  
Conference Date: 4-6 June 1996 Conference Location: Montreal, Que.,  
Canada  
Language: English  
Subfile: C  
Copyright 1996, IEE

**Title: A teradata content-based multimedia object manager for massively parallel architectures**

Abstract: The Teradata **Multimedia** Object Manager is a general purpose content analysis **multimedia** server designed for symmetric multiprocessing and massively parallel processing environments. The **Multimedia** Object Manager defines and manipulates user defined functions (UDFs), which are invoked in parallel to analyze or manipulate the contents of **multimedia** objects. Several computationally intensive applications of this technology, which use large persistent **datasets**, include **fingerprint** matching, signature verification, face recognition, and speech recognition/translation.

...Descriptors: **multimedia** computing

Identifiers: teradata content based **multimedia** object manager...

...Teradata **Multimedia** Object Manager...

...general purpose content analysis **multimedia** server...

...large persistent **datasets** ; ...

... **fingerprint** matching

38/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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04193662 INSPEC Abstract Number: C9208-6160D-017

**Title: Ingest-a simple program for performing distributed relational database operations**

Author(s): Silverberg, D.

Author Affiliation: Space Telescope Sci. Inst., Baltimore, MD, USA

Journal: Software - Practice and Experience vol.22, no.6 p.455-66

Publication Date: June 1992 Country of Publication: UK

CODEN: SPEXBL ISSN: 0038-0644

U.S. Copyright Clearance Center Code: 0038-0644/92/060455-12\$06.00

Language: English

Subfile: C

Abstract: The Hubble Space Telescope (HST) and ground system produce a formidable size **data stream**. The **datasets** are impractical to manage with a conventional database system. Therefore, they are archived onto an ...



...resulting records point to file names stored in the archive.. This allows users to request **datasets** by their descriptive keywords instead of file names. The Catalog is populated by data from...

... to the HST Catalog. Secondly, Ingest parses data values, translates data values, and creates row **identifiers** for each row to be written to the HST Catalog. The Ingest process is driven...

...Identifiers: row **identifiers** ;

38/3,K/4 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01927913 ORDER NO: AADAA-I3078219

**Gait as a biometric for person identification in video**

Author: BenAbdelkader, Chiraz

Degree: Ph.D.

Year: 2002

Corporate Source/Institution: University of Maryland College Park (0117)

Source: VOLUME 64/01-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 279. 86 PAGES

ISBN: 0-493-98800-9

**Gait as a biometric for person identification in video**

...each individual, and so is believed to be as unique to the person as a **fingerprint** is. Gait is also one of the few biometrics that can be measured at a...

...to develop robust methods for extracting discriminant gait features automatically and passively from low-resolution **video** . To this end, we explore two different gait recognition techniques: a non-parametric approach that...

...on image feature tracking or correspondence. The methods are extensively tested on a variety of **datasets** , and achieved up to 70% with the first method and 50% with the second method in classification accuracy on reasonably large **datasets** . Finally, because carried loads are gait-altering, we also describe a method to determine whether...

?



41/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

6153563 INSPEC Abstract Number: A1999-05-7460G-007

**Title: Dynamic phases of a disordered vortex lattice**

Author(s): Bhattacharya, S.; Higgins, M.J.

Author Affiliation: NEC Res. Inst., Princeton, NJ, USA

Conference Title: Advances in Superconductivity. New Materials, Critical Currents and Devices. Proceedings of the International Symposium p.271-5

Editor(s): Pinto, R.; Malik, S.K.; Grover, A.K.; Ayyub, P.

Publisher: New Age Int, New Delhi, India

Publication Date: 1996 Country of Publication: India xvi+402 pp.

ISBN: 81 224 1125 8 Material Identity Number: XX-1996-03050

Conference Title: Proceedings of International Symposium on Advances in Superconductivity: New Materials, Critical Currents, and Devices

Conference Date: 17-20 Sept. 1996 Conference Location: Mumbai, India

Language: English

Subfile: A

Copyright 1999, IEE

...Abstract: moving and others pinned. This regime provides highly anomalous dynamics with distinct I-V curves, **fingerprint** phenomenon, large broad-band noise, strong thermal instability and frequency dependent response at very low...

...Identifiers: **fingerprint** phenomenon

Pinto, R. (editor); Malik, S.K. (editor) ; Grover, A.K. (editor); Ayyub, P. (editor)

?



44/3,K/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7510009 INSPEC Abstract Number: C2003-02-6130V-037

**Title:** Hand tracking for interactive pattern-based augmented reality  
**Author(s):** Malik, S. ; McDonald, C.; Roth, G.  
**Author Affiliation:** Dept. of Comput. Sci., Toronto Univ., Ont., Canada  
**Conference Title:** Proceedings of the IEEE and ACM International Symposium on Mixed and Augmented Reality p.117-26  
**Publisher:** IEEE Comput. Soc, Los Alamitos, CA, USA  
**Publication Date:** 2002 **Country of Publication:** USA xiv+324 pp.  
**ISBN:** 0 7695 1781 1 **Material Identity Number:** XX-2002-03111  
**U.S. Copyright Clearance Center Code:** 0-7695-1781-1/02/\$17.00  
**Conference Title:** Proceedings of the IEEE and ACM International Symposium on Mixed and Augmented Reality  
**Conference Sponsor:** IEEE Comput. Soc. Tech. Committee on Wearable Inf. Syst. (TCWIS); Task Force on Human Centered Inf. Syst. (TFHIS); Fraunhofer IGD; ACM; SIGGRAPH; SIGCHI; EUROGRAPHICS  
**Conference Date:** 30 Sept.-1 Oct. 2002 **Conference Location:** Darmstadt, Germany  
**Language:** English  
**Subfile:** C  
**Copyright** 2003, IEE  
**Author(s):** Malik, S. ; McDonald, C.; Roth, G.  
...Abstract: systems are considered the most promising approach for accurately registering virtual objects with real-time video feeds. The problem with existing solutions is the lack of robustness to partial occlusions of...  
...Descriptors: video signal processing  
...Identifiers: real-time video feeds...

44/3,K/2 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7411816 INSPEC Abstract Number: B2002-11-6250F-336

**Title:** Downlink capacity and performance issues in mixed services UMTS WCDMA networks  
**Author(s):** Malik, S.A. ; Zeghlache, D.  
**Author Affiliation:** Telecommun. Networks & Services Dept., Inst. Nat. des Telecommun., Evry, France  
**Conference Title:** Vehicular Technology Conference. IEEE 55th Vehicular Technology Conference. VTC Spring 2002 (Cat. No.02CH37367) Part vol.4 p.1824-8 vol.4  
**Publisher:** IEEE, Piscataway, NJ, USA  
**Publication Date:** 2002 **Country of Publication:** USA 4 vol.2118 pp.  
**ISBN:** 0 7803 7484 3 **Material Identity Number:** XX-2002-01566  
**U.S. Copyright Clearance Center Code:** 0-7803-7484-3/02/\$17.00  
**Conference Title:** Vehicular Technology Conference. IEEE 55th Vehicular Technology Conference. VTC Spring 2002  
**Conference Date:** 6-9 May 2002 **Conference Location:** Birmingham, AL, USA  
**Language:** English  
**Subfile:** B  
**Copyright** 2002, IEE  
  
**Author(s):** Malik, S.A. ; Zeghlache, D.



...Descriptors: **multimedia** communication

**44/3,K/3** (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7395220 INSPEC Abstract Number: B2002-11-6250F-046  
**Title: Resource allocation for multimedia services on the UMTS downlink**  
Author(s): **Malik, S.A. ; Zeghlache, D.**  
Author Affiliation: Telecommun. Networks & Services Dept., Inst. Nat. des  
Telecommun., Evry, France  
Conference Title: 2002 IEEE International Conference on Communications.  
Conference Proceedings. ICC 2002 (Cat. No.02CH37333) Part vol.5 p.  
3076-80 vol.5  
Publisher: IEEE, Piscataway, NJ, USA  
Publication Date: 2002 Country of Publication: USA 5 vol.lvi+3456 pp.  
ISBN: 0 7803 7400 2 Material Identity Number: XX-2002-01408  
U.S. Copyright Clearance Center Code: 0-7803-7400-2/02/\$17.00  
Conference Title: Proceedings of IEEE International Conference on  
Communications  
Conference Date: 28 April-2 May 2002 Conference Location: New York,  
NY, USA  
Language: English  
Subfile: B  
Copyright 2002, IEE

**Title: Resource allocation for multimedia services on the UMTS downlink**  
Author(s): **Malik, S.A. ; Zeghlache, D.**  
...Descriptors: **multimedia** communication  
...Identifiers: **multimedia** services

**44/3,K/4** (Item 4 from file: 2)  
DIALOG(R)File 2:INSPEC  
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7293595 INSPEC Abstract Number: B2002-07-6250F-192  
**Title: Prioritized admission control for mixed services in UMTS WCDMA  
networks**  
Author(s): **Akhtar, S. ; Malik, S.A. ; Zeghlache, D.**  
Author Affiliation: Telecommun. Networks & Services Dept., Inst. Nat. des  
Telecommun., Evry, France  
Conference Title: 12th IEEE International Symposium on Personal, Indoor  
and Mobile Radio Communications. PIMRC 2001. Proceedings (Cat. No.01TH8598)  
Part vol.1 p.B-133-7 vol.1  
Publisher: IEEE, Piscataway, NJ, USA  
Publication Date: 2001 Country of Publication: USA 2 vol.xxvii+1083  
pp.  
ISBN: 0 7803 7244 1 Material Identity Number: XX-2001-02542  
U.S. Copyright Clearance Center Code: 0-7803-7244-1/01/\$10.00  
Conference Title: 12th IEEE International Symposium on Personal, Indoor  
and Mobile Radio Communications. PIMRC 2001. Proceedings  
Conference Date: 30 Sept.-3 Oct. 2001 Conference Location: San Diego,  
CA, USA  
Language: English  
Subfile: B  
Copyright 2002, IEE



Author(s): Akhtar, S.; Malik, S.A. ; Zeghlache, D.  
...Descriptors: multimedia communication  
...Identifiers: multimedia traffic

44/3,K/5 (Item 5 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7245945 INSPEC Abstract Number: B2002-05-6250F-274  
**Title: Performance of prioritized resource control for mixed services in UMTS W-CDMA networks**

Author(s): Malik, S.A. ; Akhtar, S.; Zeghlache, D.  
Author Affiliation: Telecommun. Networks & Services Dept., Inst. Nat. des Telecommun., Evry, France  
Conference Title: IEEE 54th Vehicular Technology Conference. VTC Fall 2001. Proceedings (Cat. No.01CH37211) Part vol.2 p.1000-4 vol.2  
Publisher: IEEE, Piscataway, NJ, USA  
Publication Date: 2001 Country of Publication: USA 4 vol.(lxxxiii+xii+2777) pp.  
ISBN: 0 7803 7005 8 Material Identity Number: XX-2001-02308  
U.S. Copyright Clearance Center Code: 0-7803-7005-8/01/\$10.00  
Conference Title: IEEE 54th Vehicular Technology Conference. VTC Fall 2001. Proceedings  
Conference Date: 7-11 Oct. 2001 Conference Location: Atlantic City, NJ, USA  
Language: English  
Subfile: B  
Copyright 2002, IEE  
Author(s): Malik, S.A. ; Akhtar, S.; Zeghlache, D.  
...Descriptors: multimedia communication  
...Identifiers: multimedia services...

... video services

44/3,K/6 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

6964688 INSPEC Abstract Number: B2001-08-1265A-053, C2001-08-5215-015  
**Title: Managing dynamic reconfiguration overhead in systems-on-a-chip design using reconfigurable datapaths and optimized interconnection networks**

Author(s): Zhining Huang; Malik, S.  
Author Affiliation: Dept. of Electr. Eng., Princeton Univ., NJ, USA  
Conference Title: Proceedings Design, Automation and Test in Europe. Conference and Exhibition 2001 p.735-40  
Editor(s): Nebel, W.; Jerraya, A.  
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA  
Publication Date: 2001 Country of Publication: USA xxxvi+829 pp.  
ISBN: 0 7695 0993 2 Material Identity Number: XX-2001-00575  
U.S. Copyright Clearance Center Code: 1530-1591/2001/\$10.00  
Conference Title: Proceedings Design, Automation and Test in Europe. Conference and Exhibition 2001  
Conference Sponsor: EDAA; EDAC; IEEE-CS TTTC; IEEE-CS DATC; ECSI; RAS Russian Acad. Sci.; IPPM; ACM-SIGDA; IFIP 10.5; AEIA; ATI; CLRC; CNR; Estonian E Soc.; GI; GMM; HTE; ITG; KVIV; VDE



Conference Date: 13-16 March 2001      Conference Location: Munich, Germany  
Language: English  
Subfile: B C  
Copyright 2001, IEE

Author(s): Zhining Huang; Malik, S.

...Abstract: that is appropriate for the SoC context. Our initial study is in the domain of **multimedia** and communication systems. We first present profiling results for these using the MESCAL compiler infrastructure...

**44/3,K/7**      (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01910916 ORDER NO: AADAA-IMQ72080

**Robust registration of virtual objects for real-time augmented reality**

Author: Malik, Shahzad  
Degree: M.C.S.  
Year: 2002  
Corporate Source/Institution: Carleton University (Canada) (0040)  
Source: VOLUME 41/02 of MASTERS ABSTRACTS.  
PAGE 565. 83 PAGES  
ISBN: 0-612-72080-2

Author: Malik, Shahzad

...performance using standard consumer-level hardware. Known planar patterns are tracked in a real-time **video** feed, and virtual 2D and 3D objects are accurately augmented onto these patterns based on...

**44/3,K/8**      (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2005 BLDSC all rts. reserv. All rts. reserv.

01756347 INSIDE CONFERENCE ITEM ID: CN017918536

**Dynamic Power Management for Microprocessors: A Case Study**

Tiwari, V.; Donnelly, R.; Malik, S. ; Gonzalez, R.  
CONFERENCE: VLSI design-International conference; 10th  
VLSI DESIGN -PROCEEDINGS-, 1997; 10th P: 185-192  
IEEE Computer Society Press, 1997  
ISBN: 0818677554; 0818677570  
LANGUAGE: English DOCUMENT TYPE: Conference Papers  
CONFERENCE LOCATION: Hyderabad, India  
CONFERENCE DATE: Jan 1997 (199701) (199701)

NOTE:

Theme title: VLSI in **multimedia** applications. IEEE cat no 97TB100095

Tiwari, V.; Donnelly, R.; Malik, S. ; Gonzalez, R.

NOTE:

Theme title: VLSI in **multimedia** applications. IEEE cat no 97TB100095  
DESCRIPTORS: VLSI design; **multimedia** applications

?



File 9:Business & Industry(R) Jul/1994-2005/Jan 31  
(c) 2005 The Gale Group  
File 15:ABI/Inform(R) 1971-2005/Feb 01  
(c) 2005 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2005/Feb 01  
(c) 2005 The Gale Group  
File 20:Dialog Global Reporter 1997-2005/Feb 01  
(c) 2005 The Dialog Corp.  
File 47:Gale Group Magazine DB(TM) 1959-2005/Jan 31  
(c) 2005 The Gale group  
File 75:TGG Management Contents(R) 86-2005/Jan W4  
(c) 2005 The Gale Group  
File 80:TGG Aerospace/Def.Mkts(R) 1982-2005/Feb 01  
(c) 2005 The Gale Group  
File 88:Gale Group Business A.R.T.S. 1976-2005/Jan 28  
(c) 2005 The Gale Group  
File 98:General Sci Abs/Full-Text 1984-2004/Sep  
(c) 2004 The HW Wilson Co.  
File 112:UBM Industry News 1998-2004/Jan 27  
(c) 2004 United Business Media  
File 141:Readers Guide 1983-2004/Sep  
(c) 2004 The HW Wilson Co  
File 148:Gale Group Trade & Industry DB 1976-2005/Jan 31  
(c)2005 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2005/Feb 01  
(c) 2005 The Gale Group  
File 264:DIALOG Defense Newsletters 1989-2005/Jan 31  
(c) 2005 The Dialog Corp.  
File 484:Periodical Abs Plustext 1986-2005/Jan W4  
(c) 2005 ProQuest  
File 553:Wilson Bus. Abs. FullText 1982-2004/Sep  
(c) 2004 The HW Wilson Co  
File 570:Gale Group MARS(R) 1984-2005/Feb 01  
(c) 2005 The Gale Group  
File 608:KR/T Bus.News. 1992-2005/Feb 01  
(c)2005 Knight Ridder/Tribune Bus News  
File 620:EIU:Viewswire 2005/Jan 31  
(c) 2005 Economist Intelligence Unit  
File 613:PR Newswire 1999-2005/Feb 01  
(c) 2005 PR Newswire Association Inc  
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Feb 01  
(c) 2005 The Gale Group  
File 623:Business Week 1985-2005/Feb 01  
(c) 2005 The McGraw-Hill Companies Inc  
File 624:McGraw-Hill Publications 1985-2005/Feb 01  
(c) 2005 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2005/Jan 30  
(c) 2005 San Jose Mercury News  
File 635:Business Dateline(R) 1985-2005/Feb 01  
(c) 2005 ProQuest Info&Learning  
File 636:Gale Group Newsletter DB(TM) 1987-2005/Feb 01  
(c) 2005 The Gale Group  
File 647:CMP Computer Fulltext 1988-2005/Jan W3  
(c) 2005 CMP Media, LLC  
File 696:DIALOG Telecom. Newsletters 1995-2005/Jan 31  
(c) 2005 The Dialog Corp.  
File 674:Computer News Fulltext 1989-2005/Jan W3  
(c) 2005 IDG Communications



File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 587:Jane's Defense&Aerospace 2005/Jan W3  
(c) 2005 Jane's Information Group

Set	Items	Description
S1	23485	DATASET?
S2	995	S1(3N) (SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORTION? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	7	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR RECOMBIN?) (3N) S2
S4	310	(OUTPUT OR OUT() PUT) (5N) (EQUAL? OR SAME OR MATCH) (3N) (NUMBER? OR TOTAL? OR SUM) (3N) INPUT
S5	54771	WATERMARK? OR WATER() MARK?
S6	1737	TUPLE?
S7	5636	PSEUDORANDOM OR PSEUDO() RANDOM? OR RMK OR REPRESENTATIVE() - MASTER() KEY
S8	5042400	VIDEO OR VOD OR VIDEO(1W) DEMAND OR DVD OR MULTIMEDIA OR MULTI() MEDIA OR STREAM? (2N) DATA OR VHS() TAPE??
S9	15	MARK? (7N) UNMARK? (5N) S8
S10	196026	FINGERPRINT? OR FINGER() PRINT? OR IDENTIFIER? OR (ID OR IDENTIFICATION) (3N) CODE?
S11	37	S8(3N) (SOURCE OR ORIGINATOR OR CREATOR OR DISTRIBUTOR? OR CUSTOMER?) (5N) S10
S12	114	AU=(SAHI, R? OR MALIK, S? OR SAHI R? OR MALIK S?)
S13	6	RD S3 (unique items)
S14	3	S13 NOT (NORTH() POLE OR ARTIC OR GYNECOL? OR NITROGEN)
S15	5425	S10(S) S8
S16	0	S4(S) S15
S17	164	S15(S) S5:S7
S18	0	S17(S) (EQUAL? OR SAME OR MATCH) (3N) (NUMBER? OR TOTAL? OR SUM)
S19	2	S4(S) (S10 OR S11)
S20	1	RD S19 (unique items)
S21	0	S15(S) S2
S22	3	S15(S) S1
S23	2	RD S22 (unique items)
S24	0	S12 AND S10
S25	174	SONY(S) S15
S26	3	S25(S) S5:S7
S27	1	RD S26 (unique items)



14/TI/1 (Item 1 from file: 88)

DIALOG(R)File 88:(c) 2005 The Gale Group. All rts. reserv.

Multiway spatial joins.(geographical information systems)

14/TI/2 (Item 1 from file: 148)

DIALOG(R)File 148:(c)2005 The Gale Group. All rts. reserv.

Analysis of Range Queries and Self-Spatial Join Queries on Real Region  
Datasets Stored Using an R-Tree.

14/TI/3 (Item 1 from file: 484)

DIALOG(R)File 484:(c) 2005 ProQuest. All rts. reserv.

Evaluation of methods to estimate the surface downwelling longwave flux  
during Arctic winter

?



20/3,K/1 (Item 1 from file: 88)  
DIALOG(R)File 88:Gale Group Business A.R.T.S.  
(c) 2005 The Gale Group. All rts. reserv.

04252346 SUPPLIER NUMBER: 19366340

**Preprocessing of HPLC trace impurity patterns by wavelet packets for  
pharmaceutical fingerprinting using artificial neural networks. (high  
performance liquid chromatography)**

Collantes, Elizabeth R.; Duta, Radu; Welsh, William J.; Zielinski, Walter  
L.; Brower, James

Analytical Chemistry, v69, n7, p1392(6)

April 1, 1997

ISSN: 0003-2700

LANGUAGE: English

RECORD TYPE: Abstract

...AUTHOR ABSTRACT: this research program is to evaluate several  
computer-based classifiers as potential tools for pharmaceutical  
**fingerprinting** based on analysis of HPLC trace organic impurity patterns.  
In the present study, wavelet packets...

...30-6 (97%) and ANN-20-10-6 (94%), where the integers refer to the  
**numbers** of **input**, hidden, and **output** nodes, respectively. This  
performance **equals** or exceeds that obtained previously (Welsh, W. J.; et  
al. Anal. Chem. 1996, 68, 3473...

?



23/3,K/1 (Item 1 from file: 9)  
DIALOG(R) File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

1542189 Supplier Number: 01542189 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**PROGIS Corporation's**  
(PROGIS Corp releases WinMAP SDK for developing geographic viewing and  
querying systems)  
CD-ROM Professional, v 9, n 6, p 14  
June 1996  
DOCUMENT TYPE: Journal; News Brief ISSN: 1049-0833 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 216

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...supported database engine for spatial relationships that allows  
developers to build fully integrated geography-oriented **multimedia**  
applications. The product includes the WinMAP Development Station; a  
DDE/OLE Toolkit; an import tool...

...base map from imported elements from a variety of graphic data sources  
and assigns an **identifier** to each element or object created on the map.  
After the developer imports the object...

...data is produced. WinMAP LT runtime licenses are used to deploy  
completed applications with unique **datasets** to end-users. Programs and  
data can be password-projected. The WinMAP package also includes...

23/3,K/2 (Item 1 from file: 15)  
DIALOG(R) File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01231672 98-81067  
**Three new SDKs target disparate regions of the developer scene**  
Anonymous  
CD-ROM Professional v9n6 PP: 14-16 Jun 1996  
ISSN: 1049-0833 JRNL CODE: LDP  
WORD COUNT: 627

...TEXT: supported database engine for spatial relationships that allows  
developers to build fully integrated geography-oriented **multimedia**  
applications. The product includes the WinMAP Development Station; a  
DDE/OLE Toolkit; an import tool...

...base map from imported elements from a variety of graphic data sources  
and assigns an **identifier** to each element or object created on the map.  
After the developer imports the object...

...data is produced. WinMAP LT runtime licenses are used to deploy  
completed applications with unique **datasets** to end-users. Programs and  
data can be password-protected. The WinMAP package also includes...

?



27/3,K/1 (Item 1 from file: 9)  
DIALOG(R) File 9:Business & Industry(R)  
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4464121 Supplier Number: 111036046 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
Worldview.

Screen Digest, n 386, p 322  
November 2003  
DOCUMENT TYPE: Journal (United Kingdom)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 516

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Elsewhere on the technology front, **Sony** is promising (or do we mean threatening?) to do away with the need for usernames and passwords for access to online services by introducing a device than recognises **fingerprints** (349a1), while Universal is set to become the first major studio to adopt the practice of encoding **watermarks** into the digital audio tracks of its film releases (349a4). Universal has also stopped sending advance **DVD** copies of releases to retailers in another bid to reduce the source of materials from...

?



27/7,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
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4464121 Supplier Number: 111036046 (THIS IS THE FULLTEXT)  
Worldview.

Screen Digest, n 386, p 322  
November 2003  
WORD COUNT: 516

TEXT:

Several new services are being launched to help maintain UK's lead in the field of interactive television, offering games, radio listings, sale of mobile phone ringtones and the chance to send e-mails to long-lost school friends for the fantastically high price of 1 (pounds sterling) a shot plus 5p a minute for the connection (348a2).

Perhaps more interesting is the idea of creating interactive television commercials. NDS, News Corporation's technology unit, has developed a package to allow advertisers to create and upload interactive commercials from a PC in under an hour (349b4). Initially the opportunity will be limited to the Sky Digital platform. Sky says two-thirds of viewers recall seeing adverts offering interactive options and a third have pressed the red button to see what it's all about (349b5). Next project for NDS is to develop interactive television and conditional access applications for mobile phones in collaboration with Acotel Group (349b1).

Elsewhere on the technology front, Sony is promising (or do we mean threatening?) to do away with the need for usernames and passwords for access to online services by introducing a device than recognises **fingerprints** (349a1), while Universal is set to become the first major studio to adopt the practice of encoding **watermarks** into the digital audio tracks of its film releases (349a4). Universal has also stopped sending advance DVD copies of releases to retailers in another bid to reduce the source of materials from which counterfeit copies can be made (341a4).

The threat of piracy is seen as even more potent as the price of DVD recorders falls (321a1). The price of hardware is expected to fall below \$300 by the end of the year and thereafter to as little as \$200--and we are willing to bet that estimate is still too high. (Who, three or four years ago, would have expected DVD players to be as cheap as they are today?) Indeed, with players so cheap, the Digital Entertainment Group (DEG) says that one in three of US homes with DVD equipment has more than one player (339b1).

Over 640m units of DVD software were shipped to the US trade in the first nine months of the year--less than 50m off the total for the whole of 2002, when the fourth quarter accounted for almost 40 per cent of the year's total (338a1). A similar proportion this year could take total shipments for 2003 past the billion-unit level.

No wonder the days of VHS as a pre-recorded medium seem to be numbered, at least in the minds of some retailers, replicators and distributors (340a2). News Corporation reported revenues up 41 per cent in its fiscal first quarter, thanks principally to sales of DVDs and in particular of television series on DVD (344a1). The record-breaking video release as we go to press of Finding Nemo, following hot on the heels of the previous



Disney release, The Lion King Special Edition, adds up to a good year for animation (345a3). Warner, home of Bugs Bunny, is also investing heavily in animation as part of a move into the early learning market (344b3). Watch this space for more about the animation market coming up in the new year.

Copyright 2003 Screen Digest

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

Elsewhere on the technology front, **Sony** is promising (or do we mean threatening?) to do away with the need for usernames and passwords for access to online services by introducing a device than recognises **fingerprints** (349a1), while Universal is set to become the first major studio to adopt the practice of encoding **watermarks** into the digital audio tracks of its film releases (349a4). Universal has also stopped sending advance **DVD** copies of releases to retailers in another bid to reduce the source of materials from...

?



File 348:EUROPEAN PATENTS 1978-2005/Jan W03

(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20050127,UT=20050120

(c) 2005 WIPO/Univentio

Set	Items	Description
S1	14670	FINGERPRINT? OR FINGER() PRINT?
S2	1309	S1(3N) (SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORTI- ON? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	42	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR REC- OMBIN?) (3N) S2
S4	132002	(EQUAL? OR SAME OR MATCH) (3N) (NUMBER? OR TOTAL? OR SUM)
S5	4044	WATERMARK? OR WATER() MARK?
S6	3144	TUPLE?
S7	10580	PSEUDORANDOM OR PSEUDO() RANDOM? OR RMK OR REPRESENTATIVE() - MASTER() KEY
S8	0	S3(S) S4
S9	28	S2(S) S4
S10	20	S2(S) S5
S11	299	S1(S) S5:S7
S12	3	S9(S) S5
S13	1	S10(S) S6
S14	1	S13 NOT S9
S15	39	(S9 OR S10 OR S11) (S) S4
S16	39	S15 NOT S13
S17	9	S16(S) S7
S18	2	S16 AND IC=H04L?
S19	0	S18 NOT (S13 OR S17)
S20	37	S16(S) (EQUAL? OR SAME OR MATCH)
S21	28	S20 NOT (S13 OR S17)
S22	8	S21 NOT (PROBES OR POLY? OR MOLECULAR OR GLAND OR DISEASE - OR PROTEINS OR DNA OR PEPTIDES OR LEUK?)



12/3,K/1 (Item 1 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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01066614 \*\*Image available\*\*

**METHOD AND SYSTEM FOR MEDIA**

**PROCEDE ET SYSTEME POUR CONTENU MULTIMEDIA**

Patent Applicant/Inventor:

RISAN Hank, 515 Washington Street, Santa Cruz, CA 95060, US, US  
(Residence), US (Nationality)

FITZGERALD Edward Vincent, 100 Peach Terrace, Santa Cruz, CA 95060, US,  
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Legal Representative:

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Boulevard, Suite 2100, Los Angeles, CA 90036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200396340 A2 20031120 (WO 0396340)

Application: WO 2003US14878 20030510 (PCT/WO US03014878)

Priority Application: US 2002379979 20020510; US 2002378011 20020510; US  
2002218241 20020813; US 2002235293 20020904; US 2002304390 20021125; US  
2002325243 20021218; US 2003364643 20030210; US 2003451231 20030228; US  
2003430843 20030505; US 2003430477 20030505

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE  
SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 222812

Fulltext Availability:

Detailed Description

Detailed Description

... real time.

In another embodiment, the present invention may implement embedded  
keys and/or digital **watermarks** within media content that may be  
delivered utilizing one or more of the media content delivery systems  
described herein. By using embedded keys and/or digital **watermarks**  
within media ...or copying media  
content from a media content source. The embedded keys and/or digital  
**watermarks** within media content may include, but are not limited to,  
information indicating where the media...real time.

In another embodiment, the present invention may implement embedded  
keys and/or digital **watermarks** within media content that may be  
delivered utilizing one or more of the media content delivery systems  
described herein. By using embedded keys and/or digital **watermarks**  
within media content, it is easier to determine if some unauthorized  
person has been retrieving...



...or copying media  
content from a media content source. The embedded keys and/or digital  
**watermarks** within media content may include, but are not limited to,  
information indicating where the media...

12/3,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00806382

**METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF  
MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A  
MARKET SPACE INTERFACE**

**PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHE ENTRE UNE  
PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION  
D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHE**

Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,

Legal Representative:

HICKMAN Paul L (et al) (agent), Oppenheimer Wolff & Donnelly LLP, 1400  
Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200139028 A2 20010531 (WO 0139028)

Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT  
TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 170977

Fulltext Availability:

Detailed Description

Detailed Description

... aspect, the service provider may be notified of the availability of  
the manufacturer offerings that **match** the service installation  
information.

In one example of the present invention particularly applicable to  
installation...rates are the same in each case, so the bit rate of the  
STS-1 **equals** the bit rate of the OC The only difference is the type of  
signal that...



12/3,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00761423

A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING  
WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF  
TECHNOLOGY

SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE DES  
COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE  
TECHNOLOGIE

Patent Applicant/Assignee:

ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US  
(Residence), US (Nationality)

Inventor(s):

GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,  
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,  
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,  
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200073929 A2 20001207 (WO 0073929)  
Application: WO 2000US14457 20000524 (PCT/WO US0014457)  
Priority Application: US 99321136 19990527

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ  
CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE  
EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK  
MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 150133

Fulltext Availability:

Detailed Description

Detailed Description

... broken links

Database interaction

Permissions setting Business3server is used extensively on BusinessYs  
sites and a

number of other Internet sites including the following: primehost.com,  
Business1com, digitalcity.com, tile.net, arn...

...a preferred embodiment having a central processing unit 70, such as a  
microprocessor, and a number of other units interconnected via a system  
bus 71. The workstation shown in Figure 2A...

?



14/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00744474

**50 HUMAN SECRETED PROTEINS**

**CINQUANTE PROTEINES HUMAINES SECRETEES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200056751 A1 20000928 (WO 0056751)  
Application: WO 2000US6013 20000309 (PCT/WO US0006013)  
Priority Application: US 99125360 19990319; US 99138626 19990611; US  
99168662 19991203

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 131335

Fulltext Availability:

Detailed Description

Detailed Description

... in a FASTDB alignment of DNA sequences to calculate percent identity  
are: Matrix=Unitary, k- tuple =4, Mismatch Penalty=1,  
Joining Penalty=30, Randomization Group Length=0, Cutoff Score= 1, Gap...  
which different portions are derived from different animal species, such  
as those having a variable region derived from a murine rnAb and a  
human immunoglobulin constant region, e.g., humanized antibodies...

?



17/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01196524 \*\*Image available\*\*

**FINGERPRINTING OF DATA**

**EMPREINTE DE DONNEES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200503887 A2 20050113 (WO 0503887)

Application: WO 2004US10047 20040331 (PCT/WO US04010047)

Priority Application: US 2003480687 20030623; US 2003491763 20030731

Designated States:

(All protection types applied unless otherwise stated - for applications  
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO  
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8380

Fulltext Availability:

Detailed Description

Detailed Description

... from a pseudo-randomly selected master.

The segments are selected and combined (concatenated) in a **pseudo - random** manner so that those n segments produce a copy with a **pseudo - randomly** generated sequence of segments 30 as a fingerprint. The fingerprint for a copy identifies the source master for each segment in the copy. Thus, the **pseudo - random** generation is configured so that a sufficiently distinct fingerprint can be generated for each copy. A plurality of **pseudo - random** numbers is

4 00183983

generated that **pseudo - randomly** assigns the segments from the masters so that sufficiently distinct fingerprints can be assigned to all copies without repeating the pattern of segment combinations. Therefore, the number of generated **pseudo - random numbers** must **equal** or exceed the **number** of desired copies.



A method for implementing an above-described fingerprinting of data is illustrated...

...produce an output dataset, such that the number of segments in the output dataset is **equal** to the **number** of segments in each master. An example of selecting and arranging the segments is described...

...or DVD, copied onto a VHS tape), at 208, to produce a distribution copy. The **fingerprint** is linked to the packaged medium, at 210, and the linkage is stored (e.g., the **fingerprint**, an ID code identifying the specific media item, and an ID code identifying the customer...

17/3,K/2 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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01133916 \*\*Image available\*\*

**DEVICES FOR COMBINED ACCESS AND INPUT**  
**DISPOSITIFS POUR ACCES ET ENTREES COMBINES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200455738 A1 20040701 (WO 0455738)

Application: WO 2003NO421 20031217 (PCT/WO NO03000421)

Priority Application: NO. 20026097 20021218

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU  
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 15825

Fulltext Availability:

Claims

Claim

... the accompanying figures where

Fig. 1a Shows a network (N) or a system using a  
**fingerprint** sensor according to prior art.

Fig. 1b Shows a network (N) or a system of...

...the form of a PCMCIA card

Figs. 4c Shows a PCMCIA card where the integrated



- The pre-processing block (SC) will crunch the raw data, i.e. the captured **fingerprint** images, using hardware embedded algorithms optimized for the laborious initial high-speed processing of the **fingerprint** data, thus reducing them to an intermediate form, to be stored in the working volatile...

...boundaries of the tolerance area. Thereby a comparison of the extracted features representing the captured **fingerprint** with features of the pre-stored master **fingerprint** representations is obtained.

- The number of minutiae points matching between the access attempt minutiae table...Intranet.
- The calculated communication response is thus a result depending on the above comparison of **fingerprints**. This message/communication is encrypted to form a secure output in a predefined format and...

...system through one of the communication interfaces.

- Thus if a positive match of the captured **fingerprint** with the **fingerprint** representation of an authorized user is obtained, an output signal from the IC/chip (1...

...is currently using (keys are out of sync), the server will step up the key **number** to **match** that of the device (12 or 13), and generate the corresponding key from the SKG...

...IC (1) could be blocked (non authorized access state) if the matching of the captured **fingerprint** is negative relative to any of the authorized **fingerprint** representations stored in the non-volatile memory (7A, 7E or 7).  
The output from the...

...if the above-mentioned matching is positive.  
By these features of the invention a local **fingerprint** authentication at the device (12 or 13) will be transformed to a password and optionally...

...explained in more detail by reference to figure 5.  
The embedded system (15) comprises the **fingerprint** sensor (5) being connected by a cable (15B) to a printed circuit board PCB (15A...

...enrolment alternative implies that the system administrator does not personally oversee who is enrolling his **fingerprint** at the sensor (5).  
The system administrator, or his delegates, will issue a seed to...

...15) are transmitted over the network in a special session.  
The first person enrolling his **fingerprint** is assumed to have the proper identity, and will become the "owner" of the device...central computer of the car to decrypt the message (e.g.



by non-matching temporary **pseudo - random** password) will terminate the communication procedure.

- When the encrypted message containing the master minutiae tables...

...seed will be inputted to the secure key generation SKG block (8A) to generate a **pseudo - random** temporary password.

- The **pseudo - random** temporary password will be fed to the encryption block (8B or 8C) of the IC...

...1) in a pre-set sequence.

- The pre-processing block (5C) will reduce the captured **fingerprint** image to a reduced intermediate format, feeding it via volatile working memory (6B or 6C...

...3) to the processor (2). - The processor (2) will reduce the captured and pre processed **fingerprint** image to compact master minutiae format.

- The processor (2) will then compare this access minutiae...

...computer instead of on the embedded ignition control.

The important part is that an authenticated **fingerprint** triggers the portable door control (20) and the embedded ignition control (15) to generate encrypted...

...of the car, and the door locks. The benefit of the invention is that no **fingerprints** have to be transmitted between the car system security components (except for enrolment), but triggers...

...application of the invention is that the security of the complete system resides in the **fingerprints** of the car owner (or other users he may have enrolled), and not in some...

...and time consuming. The latter may cause considerable grievances to the car-owner.

If a **fingerprint** -based portable door control device (20) according to this invention is lost, then a new...

17/3,K/3 (Item 3 from file: 349)  
 DIALOG(R) File 349:PCT FULLTEXT  
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01004631 \*\*Image available\*\*  
 SYSTEM, PORTABLE DEVICE AND METHOD FOR DIGITAL AUTHENTICATING, CRYPTING AND SIGNING BY GENERATING SHORT-LIVED CRYPTOKEYS  
 SYSTEME, DISPOSITIF PORTABLE ET PROCEDE D'AUTHENTIFICATION NUMERIQUE, CODAGE ET SIGNATURE PAR GENERATION DE CLES DE CHIFFREMENT DE COURTE DUREE

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(Nationality), (For all designated states except: US)

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Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200334655 A1 20030424 (WO 0334655)

Application: WO 2002NO352 20021001 (PCT/WO NO0200352)

Priority Application: NO 20014774 20011001

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT (utility model) AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR  
CU CZ (utility model) CZ DE (utility model) DE DK (utility model) DK DM  
DZ EC EE (utility model) EE ES FI (utility model) FI GB GD GE GH GM HR HU  
ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX  
MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK (utility model) SK SL TJ TM TN  
TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: Norwegian

Fulltext Word Count: 7086

#### Fulltext Availability:

Claims

#### Claim

... 105 in this case is an iris camera. Block 106 in this case is a  
**pseudo - random** algorithm that generates a unique, 1 0 finite series of  
numbers for each set of...by means of their hand-held device. The series  
of numbers is generated from a **pseudorandom** algorithm 106 on the basis  
of inputs 10 1 - 1 03. The series of numbers...y and z in the user's  
series of numbers (the bank never requests the **same number** in the  
series twice). If the user provides the correct response (output 108),  
the user...portable device, a master key (all-round key) that by use of  
the user's **fingerprints** electronically operates electronic  
locks/switches for which the user is authorised, cf. Fig. 4.  
The...

...from the lock/switch to be operated. \* The sensor 105 in this example is  
a **fingerprint** sensor. Block 106 denotes an algorithm for generation  
of RSA public/private key pairs. Block...list of authorised users. When  
the user activates the master key by pressing on the **fingerprint**  
sensor, the user's public RSA key is transmitted. If the public RSA key  
matches...and/or the serial number (1 03) of the master key, in addition  
to the **fingerprints** (1 08).

#### APPLICATIONS

The present invention represents a significant innovation by tying  
biometry and cryptography...characteristic values from an input value, in  
the form of e.g. the user's **fingerprints**, by means of an algorithm,  
which algorithm is designed to remove natural variations in the...



17/3,K/4 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00931624 \*\*Image available\*\*

**APPARATUS AND METHOD FOR AUTHENTICATING ACCESS TO A NETWORK RESOURCE**

**APPARATUS AND METHOD FOR AUTHENTICATING ACCESS TO A NETWORK RESOURCE**  
**PROCEDE ET DISPOSITIF D'AUTHENTIFICATION DE L'ACCES A UNE RESSOURCE RESEAU**  
Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200265697 A2-A3 20020822 (WO 0265697)

Application: WO 2002US5247 20020212 (PCT/WO US0205247)

Priority Application: US 2001782342 20010212

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12574

Fulltext Availability:

Detailed Description

Detailed Description

... card are date/time synchronized. Further, both employ the same complex  
algorithm to calculate the **pseudorandom** number from the current date  
and time. The device therefore permits access if the correct...

...and smart cards require biometric matches to gain access, such as by way  
of a **fingerprint** or iris reader. If there is not a biometric match, the  
user cannot gain access to the device or service. However, even when a  
biometrics or **pseudorandom number match** is secured, the PC itself  
can present an insecure environment if an unknown virus resides...

17/3,K/5 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.



00895056      \*\*Image available\*\*

WHOLE CELL ENGINEERING BY MUTAGENIZING A SUBSTANTIAL PORTION OF A STARTING  
GENOME, COMBINING MUTATIONS, AND OPTIONALLY REPEATING  
MANIPULATION DE CELLULE ENTIERE PAR MUTAGENESE D'UNE PARTIE SUBSTANTIELLE  
D'UN GENOME DE DEPART, PAR COMBINAISON DE MUTATIONS ET EVENTUELLEMENT  
PAR REPETITION

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Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200229032 A2-A3 20020411 (WO 0229032)

Application: WO 2001US31004 20011001 (PCT/WO US01031004)

Priority Application: US 2000677584 20000930; US 2001279702 20010328; WO  
2001US19367 20010614

Parent Application/Grant:

Related by Continuation to: US 2001119367 20010614 (CIP); US 2001279702  
20010328 (CIP); US 2000677584 20000930 (CIP)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 289281

17/3,K/6      (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00889277      \*\*Image available\*\*

TRACKING METHOD AND SYSTEM FOR MARKETING SOFTWARE

PROCEDE ET DE SYSTEME DE SUIVI DE LOGICIEL DE COMMERCIALISATION

Patent Applicant/Inventor:

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SPAKER Kurt D, 3169 Brockport Spencerport Road, Spencerport, NY 14559, US



, US (Residence), US (Nationality)  
Legal Representative:  
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27515, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200223432 A1 20020321 (WO 0223432)  
Application: WO 2001US28054 20010907 (PCT/WO US0128054)  
Priority Application: US 2000660207 20000912

Parent Application/Grant:

Related by Continuation to: US 2000660207 20000912 (CIP)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9847

Fulltext Availability:

Detailed Description

Detailed Description

... generating a unique number and storing it on the computer.

The Hardware Finggiprint is a **pseudorandom** string of characters  
generated when the software is run for the fii-st time. Because the  
**pseudorandom** number generator is initialized by the number of clock  
ticks since the last reboot, the odds of two computers yielding the **same**  
**number** are remote. The Hardware **Fingerprint** is then stored for  
future reference.

In another embodiment the Hardware Fingerprint can be derived...

17/3,K/7 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00864262

WHOLE CELL ENGINEERING BY MUTAGENIZING A SUBSTANTIAL PORTION OF A STARTING  
GENOME, COMBINING MUTATIONS, AND OPTIONALLY REPEATING  
INGENIERIE CELLULAIRE COMPLETE PAR MUTAGENESE D'UNE PARTIE SUBSTANTIELLE  
D'UN GENOME DE DEPART, PAR COMBINAISON DE MUTATIONS ET EVENTUELLEMENT  
REPETITION

Patent Applicant/Assignee:

DIVERSA CORPORATION, 4955 Directors Place, San Diego, CA 92121, US, US  
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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92067-7214, US, US (Residence), US (Nationality), (Designated only for:  
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Legal Representative:



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Patent and Priority Information (Country, Number, Date):

Patent: WO 200196551 A2-A3 20011220 (WO 0196551)  
Application: WO 2001US19367 20010614 (PCT/WO US0119367)  
Priority Application: US 2000594459 20000614; US 2000677584 20000930  
Parent Application/Grant:  
Related by Continuation to: US 2000594459 20000614 (CIP); US 2000677584  
20000930 (CIP)

Designated States:  
(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 336587

Fulltext Availability:  
Detailed Description

#### Detailed Description

... used, the number of different compounds on the array increases  
exponentially during synthesis, while the **number** of chemical coupling  
cycles increases only linearly. For example, expanding the synthesis to  
the complete...one or more genome regions simultaneously. These probes  
include oligonucleotides, pooled clones, and repetitive-element  
**fingerprint** probes.

1 4 2 Comparing DNA from the elone library with DNA from the shorrange  
...

17/3,K/8 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00554736 \*\*Image available\*\*

METHOD FOR CONFIRMING THE INTEGRITY OF AN IMAGE TRANSMITTED WITH A LOSS  
PROCEDE RELATIF A LA CONFIRMATION DE L'INTEGRITE D'UNE IMAGE TRANSMISE AVEC  
PERTE

Patent Applicant/Assignee:  
KONINKLIJKE PHILIPS ELECTRONICS N V,  
Inventor(s):  
LORD William P,  
ABDEL-MOTTALEB Mohamed,  
EPSTEIN Michael A,

Patent and Priority Information (Country, Number, Date):  
Patent: WO 200018109 A1 20000330 (WO 0018109)  
Application: WO 99EP7024 19990921 (PCT/WO EP9907024)  
Priority Application: US 98159288 19980923

Designated States:  
(Protection type is "patent" unless otherwise stated - for applications



prior to 2004)

CN JP KR AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 3845

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... of cells and manipulating the third plurality of cells based upon a first plurality of **pseudo random** numbers. The second plurality of cells are **equal** in **number** to said first plurality of cells and have a sequence dictated by said second plurality of **pseudo random** numbers.

In still yet another aspect of the present invention, a computer readable storage medium...

Claim

... cells and manipulating (206) said third plurality of cells based upon a first plurality of **pseudo random** numbers (204); and said second plurality of cells being **equal** in **number** to said first plurality of cells and having a sequence dictated by said second plurality of **pseudo random** numbers (210).

12 The computer readable storage medium as claimed in claim 1 further ...

17/3,K/9 (Item 9 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00344642

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION**

**SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION ELECTRONIQUE DES DROITS**

Patent Applicant/Assignee:

ELECTRONIC PUBLISHING RESOURCES INC,

Inventor(s):

GINTER Karl L,

SHEAR Victor H,

SPAHN Francis J,

VAN WIE David M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2 19960906

Application: WO 96US2303 19960213 (PCT/WO US9602303)

Priority Application: US 95388107 19950213

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE  
KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE  
SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ TM  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 207972



Fulltext Availability:  
Detailed Description

Detailed Description

... useful for

- constructing encryption keys or unique identifiers, and for  
- 204

- initializing the generation of **pseudo - random** sequences. Random number generator 542 may produce values of any convenient length, including as small...

...may be constructed by concatenating

- values produced by random number generator 542. A cryptographically strong **pseudo - random** sequence may be generated from a random key and seed generated with random number generator...UDEs

- 1200a, 1200b. Furthermore, DTDs 1108 may be used as an aspect of forming a **portion** of an application used to inform a user as to the information required and/or...

?



22/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

00547745

Method and apparatus for image processing

Verfahren und Gerat zur Bildverarbeitung

Methode et appareil de traitement d'images

PATENT ASSIGNEE:

NIPPON TELEGRAPH AND TELEPHONE CORPORATION, (686339), 19-2 Nishi-Shinjuku  
3-chome, Shinjuku-ku, Tokyo 163-19, (JP), (Proprietor designated  
states: all)

INVENTOR:

Kobayashi, Tetsuji, 1-19-17-505, Take, Yokosuka-shi, Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Poulin, Gerard et al (17982), BREVALEX 3, rue du Docteur Lancereaux,  
75008 Paris, (FR)

PATENT (CC, No, Kind, Date): EP 508845 A2 921014 (Basic)

EP 508845 A3 940518

EP 508845 B1 011107

APPLICATION (CC, No, Date): EP 92400638 920311;

PRIORITY (CC, No, Date): JP 9145136 910311; JP 91171298 910711; JP 91236617  
910917; JP 9233760 920220

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-009/00; G06K-009/44; G07C-009/00

ABSTRACT WORD COUNT: 286

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	2097
CLAIMS B	(English)	200145	1420
CLAIMS B	(German)	200145	1204
CLAIMS B	(French)	200145	1541
SPEC B	(English)	200145	20134
Total word count - document A			2097
Total word count - document B			24299
Total word count - documents A + B			26396

...SPECIFICATION coordinate may also be added. Here, the Y0 coordinate of  
the stored X coordinate set **number** which is **equal** to zero is packed  
without being set. A 3 X 3 pixel aggregation in which...

22/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

00343407

Method and apparatus for matching fingerprints.

Verfahren und Vorrichtung zum Vergleichen von Fingerabdrucken.

Procede et dispositif pour comparer les empreintes digitales.

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome Minato-ku, Tokyo 108-01,  
(JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Tanaka, Kazue, c/o NEC Corporation 33-1, Shiba 5-chome, Minato-ku Tokyo,



(JP)

Ohta, Naoya, c/o NEC Corporation 33-1, Shiba 5-chome, Minato-ku Tokyo,

(JP)

LEGAL REPRESENTATIVE:

Vossius & Partner (100311), Siebertstrasse 4 P.O. Box 86 07 67, W-8000  
Munchen 86, (DE)

PATENT (CC, No, Kind, Date): EP 343580 A2 891129 (Basic)  
EP 343580 A3 900321  
EP 343580 B1 930310

APPLICATION (CC, No, Date): EP 89109221 890523;

PRIORITY (CC, No, Date): JP 88127826 880524; JP 88127827 880524

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07C-009/00;

ABSTRACT WORD COUNT: 159

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	255
CLAIMS B	(German)	EPBBF1	209
CLAIMS B	(French)	EPBBF1	286
SPEC B	(English)	EPBBF1	4020
Total word count - document A			0
Total word count - document B			4770
Total word count - documents A + B			4770

...SPECIFICATION points in the record l and the record j of the input  
fingerprint image is **equal** to the **number** of ridges stated in the  
field referred to.

At the scoring step 13, the degree...

22/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01154441 \*\*Image available\*\*

**HANDLING OF DIGITAL SILENCE IN AUDIO FINGERPRINTING**

**GESTION DU SILENCE NUMERIQUE DANS LA GENERATION D'EMPREINTES AUDIO**

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA  
Eindhoven, NL, NL (Residence), NL (Nationality), (For all designated  
states except: US)

Patent Applicant/Inventor:

HAITSMA Jaap A, c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL, NL  
(Residence), NL (Nationality), (Designated only for: US)  
TALSTRA Johan C, c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL, NL  
(Residence), NL (Nationality), (Designated only for: US)  
STARING Antonius A M, c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL, NL  
(Residence), NL (Nationality), (Designated only for: US)  
KALKER Antonius A C M, c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,  
NL (Residence), NL (Nationality), (Designated only for: US)

Legal Representative:

SCHMITZ Herman J R (agent), Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200477430 A1 20040910 (WO 0477430)

Application: WO 2004IB50120 20040218 (PCT/WO IB04050120)

Priority Application: EP 2003100461 20030226

Designated States:



(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5226

Fulltext Availability:

Claims

Claim

... have been replaced by these random values to the server, the probability of finding a **match** in the database is very low, which avoids the return of a wrong **match** of the audio signal. If the client device has to make a positive identification it...

...fingerprints subsequently generated for these samples will likewise be random in nature and therefore a **match** for silent parts of the audio signal in the database is less likely. In case...

...can be added to a radio broadcast audio signal instead of silence will be a **part** of the **fingerprint** sent to a database. If the database has the corresponding silence removed, this will lead to a less than optimal **match**. The unit in Fig. 3 can just as well be provided together with a fingerprinting...

...replaced by random words. Digital silence can also be removed in the server in the **same** way as was described in the paragraph above, by removing the digital silence samples or...

...of this method in case both the client and the server have fingerprints where this **same** type of random **number** generator has been used. Since the only real random number is the first number and...

...random number, there is a risk that both the devices will end up with the **same** random **numbers** for digital silence. This could lead to a matching of the fingerprint in the database...

22/3,K/4 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00961258 \*\*Image available\*\*

**ELECTRIC SHOCK DEVICE HAVING FINGER PRINT COGNITION FUNCTION**

**DISPOSITIF A DECHARGE ELECTRIQUE PRESENTANT UNE FONCTION DE RECONNAISSANCE  
DES EMPREINTES DIGITALES**

Patent Applicant/Assignee:

SILVERAY CO LTD, 5-6 Bankyeri, Munmark-eup, Wonju-city, Kangwon-do,  
220-880, KR, KR (Residence), KR (Nationality), (For all designated  
states except: US)



Patent Applicant/Inventor:

KIM Guhn Tae, 376-24, Daebang-dong, Dongjak-gu, Seoul 156-020, KR, KR  
(Residence), KR (Nationality)

Patent and Priority Information (Country, Number, Date):

Patent: WO 200295320 A1 20021128 (WO 0295320)

Application: WO 2002KR937 20020518 (PCT/WO KR0200937)

Priority Application: KR 200114732 U 20010519 (KR U)

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ  
TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 2856

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... to the stored fingerprint data.

Preferably, the electric shock device further comprises a plurality of **fingerprint** input **sections** provided at portions of the handle where respective fingers of the user are arranged when the user grasps the handle, in addition to the **fingerprint** input **section**, so that when the number of fingerprint data inputted through the **fingerprint** input **sections** while corresponding to the stored fingerprint data is **equal** to a predetermined **number** or more, the electric shock device is activated.

In the electric shock device having the...the number of the inputted fingerprint data corresponding to the stored fingerprint data is **equal** to a predetermined **number** (for example, 3) or more, the microprocessor controls the switch 30 to be switched on...

Claim

... data inputted through the fingerprint input sections while corresponding to the stored fingerprint data is **equal** to a predetermined **number** or more, the electric shock device is activated.

22/3,K/5 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00885138 \*\*Image available\*\*

METHOD AND SYSTEM FOR UNLOCKING DOORWAY



**PROCEDE ET SYSTEME DE DEVERROUILLAGE DE PORTE**

Patent Applicant/Assignee:

ALPHA CORPORATION, 6-8, Fukuura 1-chome, Kanazawa-ku, Yokohama-shi,  
Kanagawa 236-0004, JP, JP (Residence), JP (Nationality), (For all  
designated states except: US)

Patent Applicant/Inventor:

USUI Toshiyuki, c/o ALPHA CORPORATION, 6-8, Fukuura 1-chome, Kanazawa-ku,  
Yokohama-shi, Kanagawa 236-0004, JP, JP (Residence), JP (Nationality),  
(Designated only for: US)

Legal Representative:

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2-3, Toranomon 1-chome, Minato-ku, Tokyo 105-0001, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200219277 A1 20020307 (WO 0219277)

Application: WO 2001JP7489 20010830 (PCT/WO JP0107489)

Priority Application: JP 2000264271 20000831; JP 2000264274 20000831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS  
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 4775

Fulltext Availability:

Detailed Description

Detailed Description

... elements corresponding to those of the unlock  
system in Fig. 2 are designated with the **same numbers**. An  
operation unit 20 comprises a **fingerprint input section** 21,  
a fingerprint detecting section (fingerprint sensor) 22 and  
a lock switch 23. A control unit 30 comprises a fingerprint  
resister **section** 31, a **fingerprint verifying section** 32, a  
latch control section 33, an unlock record storing section  
34, a date/time...

...part of the lock unit 40. A structure of the  
operation unit 20 is the **same** as that shown in Fig. 2 and thus,  
explanation thereof is omitted here.

The control...

22/3,K/6 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00755722 \*\*Image available\*\*

**METHOD AND APPARATUS FOR FINDING MIRRORED HOSTS**

**PROCEDE ET APPAREIL DE RECHERCHE D'HOTES MIROIR PAR L'ANALYSE DE LA  
CONNECTIVITE ET D'ADRESSES IP**



Patent Applicant/Assignee:

ALTA VISTA, 1070 Arastradero Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

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BRODER Andrei Z, Apt. 206, 600B Sharon Park Drive, Menlo Park, CA 94025,  
US,  
GLASSMAN Steven C, 615 Palo Alto Avenue, Mountain View, CA 94041, US,  
DEAN Jeffrey, 884 Fifteenth Avenue, Menlo Park, CA 94025, US,  
HENZINGER Monika R, 80 La Loma Drive, Menlo Park, CA 94025, US,

Legal Representative:

MAJERUS Laura A (agent), Fenwick & West LLP, Two Palo Alto Square, Palo  
Alto, CA 94306 (et al), US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200069142 A2-A3 20001116 (WO 0069142)  
Application: WO 2000US12236 20000505 (PCT/WO US0012236)  
Priority Application: US 99307153 19990507  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 14502

Fulltext Availability:

Claims

Claim

... list of actual IP addresses of hosts,  
602 make clusters of hosts that have the **same** IP  
address (at most, the number of clusters is the  
**same** as the **number** of IP addresses)  
Cn  
a  
W 604  
Cn Rank clusters in increasing order by number...

...as a "term." Add path  
depth information to terms  
806  
Sort list of <term, host> **tuples** by terms  
Determine weights of sorted terms in inverse  
proportion to frequency;  
808  
Determine similarity...

...personal,2), x.y.com>  
w  
cn <(personal,foo,3), a.b.com>  
Yields host **tuples** <term,host>: <(personal,foo,3), x.y.com>  
<(cellblock,inmates,0) a.b.com> <(foo...

...0) (inmates,me,1)  
(me,personal,2) (personal,foo,3) (foo,html,4)}  
Yields host **tuples** <term,host>:  
<(cellblock,inmates,0) x.y.com>  
<(inmates,me,1), x.y.com>  
<(me...pages.  
If more than a certain threshold are common, then  
the paths are said to " **match** ".  
(if a link points to one of the two hosts, first remove the



hostname to...  
...host pair)  
1010 Determine what percentage of the 2\*n paths for this host  
pair " match ". If above a threshold, allow the host pair to  
remain (if no, eliminate host pair...documents 14-i  
145' Randomly permute both lists of paths enl  
(Stage I 1)  
pa match  
Test paths alternatively from the two  
14 8 permuted lists (attempt to access each  
tested...  
...t4o@ e.g., 50%)  
1604  
Potential outcomes:  
SF - source failure (root fetch failed)  
1606 FM - fingerprint match . Content is byte-wise identical  
FS - Full similarity. The documents are 1 00% equivalent after...  
...fetch page from source)  
1@ TF - target failure (could not fetch page from target)  
FM - fingerprint match . Content is byte-wise identical  
FS - Full similarity. The documents are 1 00% equivalent after...

22/3,K/7 (Item 5 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00755428 \*\*Image available\*\*  
**METHOD AND APPARATUS FOR FINDING MIRRORED HOSTS BY ANALYZING URLS**  
**PROCEDE ET DISPOSITIF PERMETTANT DE DETECTER DES HOTES MANIPULES PAR**  
**SYMETRIE PAR ANALYSE D'ADRESSES URL**

Patent Applicant/Assignee:

ALTA VISTA, 1070 Arastradero Road, Palo Alto, CA 94304, US, US  
(Residence), US (Nationality)

Inventor(s):

BHARAT Krishna A, 470 Oak Grove Drive #205, Santa Clara, CA 95054, US,  
BRODER Andrei Z, 600 B Sharon Park Drive, Apt. 206, Menlo Park, CA 94025,  
US,  
GLASSMAN Steven C, 615 Palo Alto Avenue, Mountain View, CA 94041, US,  
DEAN Jeffrey, 884 Fifteenth Avenue, Menlo Park, CA 94025, US,  
HENZINGER Monika R, 80 La Loma Drive, Menlo Park, CA 94025, US,

Legal Representative:

MAJERUS Laura A (agent), Fenwick & West LLP, Two Palo Alto Square, Palo  
Alto, CA 94306 (et al), US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200068838 A2-A3 20001116 (WO 0068838)  
Application: WO 2000US12426 20000505 (PCT/WO US0012426)  
Priority Application: US 99307320 19990507  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 12944

Fulltext Availability:

Claims

Claim



```

... list of actual IP addresses of hosts,
602 make clusters of hosts that have the same IP
address (at most, the number of clusters is the
same as the number of IP addresses)
604
Rank clusters in increasing order by number
of hosts in each...

...as a "term." Add path
depth information to terms
806
Sort list of <term, host> tuples by terms
Determine weights of sorted terms in inverse
proportion to frequency;
808
Determine similarity...

...inmates,me,1)
(me,personal,2) (personal,foo,3) (foo,html,4)1
Yields host tuples <term,host>:
<(cellblock,inmates,0) x.y.com>
<(inmates,me,1), x.y.com>
<(me...pages.
If more than a certain threshold are common, then
the paths are said to " match ".
(If a link points to one of the two hosts, first remove the
hostname to...

...host pair)
1010 Determine what percentage of the 2*n paths for this host
pair " match ". If above a threshold, allow the host pair to
remain (if no, eliminate host pair...

...yield highly 1474
similar documents
1456 Randomly permute both lists of paths ent
(Stage
pa match
Y
Test paths alternatively from the two IF
rA 1458 permuted lists (attempt to access...threshold,
e.g., 50%)
1604
Potential outcomes:
SF - source failure (root fetch failed)
1606 FM - fingerprint match . Content is byte-wise identical
FS - Full similarity. The documents are 100% equivalent after removal...

...not fetch page from source)
TF - target failure (could not fetch page from target)
FM - fingerprint match . Content is byte-wise identical
FS - Full similarity. The documents are 100% equivalent after...

```

22/3,K/8 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00189574 \*\*Image available\*\*



NON-MINUTIAE AUTOMATIC FINGERPRINT IDENTIFICATION SYSTEM AND METHODS  
PROCEDES ET SYSTEME D'IDENTIFICATION AUTOMATIQUE D'EMPREINTES DIGITALES NE  
TENANT PAS COMPTE DES PETITS DETAILS

Patent Applicant/Assignee:

TMS INCORPORATED,

Inventor(s):

GAGNE Patricia C,

PUTERKO Carol M,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9106920 A1 19910516

Application: WO 90US6172 19901031 (PCT/WO US9006172)

Priority Application: US 89421 19891102

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AT AU BE BR CA CH DE DK ES FR GB GR IT JP LU NL SE SU

Publication Language: English

Fulltext Word Count: 18701

Fulltext Availability:

Claims

Claim

... detecting three consecutive  
columns of whitespace data and a next column having a  
greylevel value **equal** to said second predetermined value  
and considering the memory data location of said next  
column...

...detecting three consecutive rows  
of whitespace data and a next row having a greylevel value  
**equal** to said second predetermined value and considering  
the memory data location of said next tow...contained within  
a diagonal line from (Xs,Ye) to (Xe,Ys);  
computing a count Yma **equal** to the highest **number**  
of ridges found within any horizontal line in the Y-Axis  
"A-Range" which is defined as:  $Ys < \text{horizontal line} < YC$ ;  
computing a count Ymb **equal** to the highest **number**  
of ridges found within any horizontal line in the Y-Axis  
"B-Rangell which is defined as:  $YC < \text{horizontal line} \leq Yev$   
computing a count Ya **equal** to the **sum total**  
number of ridges found within all horizontal lines in the  
Y-Axis "A-Range" which...a number  $< 256$ , wherein  $Ya = (Yaa(256) +$   
 $Yab) - * (\text{window-size} - 1 \ 2)$ ;  
computing a count Yb **equal** to the **sum total**  
number of ridges found within all horizontal lines in the  
Y-Axis "B-Rangell which...

...256, wherein  $Yb = (Yba(256) +$   
 $YbB) - * (\text{window-size} - 1 \ 2)$ ;  
computing a count Yc **equal** to the **number** of  
ridges found within horizontal line YC on the Y-axis,,  
wherein Yc is a...

...is the Y-axis center  
line of said fingerprint identity window;  
computing a count Xma **equal** to the highest **number**  
of ridges found within any vertical line in the X-Axis "A  
Range" which is defined as:  $Xs : 5 \text{ vertical line} < XC$ ;



computing a count Xmb **equal** to the highest **number**  
 of ridges found within any vertical line in the X-Axis IIB  
 Range" which is defined as: XC < vertical line < Xe;  
 computing a count Xa **equal** to the **sum total**  
 number of ridges found within all vertical lines in the X  
 Axis "A-Range" which...

...a number < 256,, wherein Xa = (Xaa(256) + XaB)  
 (window-size -\* 2);  
 computing a count Xb **equal** to the **sum total**  
 number of ridges found within all vertical lines in the X  
 Axis "B-Rangell which...

...a number < 256, wherein Xb = (Xba(256) + XbB)  
 (window-size -\* 2);  
 computing a count Xc **equal** to the **number** of  
 ridges found within vertical line XC on the X-axis, wherein  
 Xc is a Yma **equal** to the highest **number**  
 of ridges found within any horizontal line in the Y-Axis  
 "A-Range" which is defined as: Ys < horizontal line < YC;  
 computing a count Ymb **equal** to the highest **number**  
 of ridges found within any horizontal line in the Y-Axis  
 "B-Rangell which is defined as: YC < horizontal line < Ye;  
 computing a count Ya **equal** to the **sum total**  
 number of ridges found within all horizontal lines in the  
 Y-Axis "A-Range" which...

...a number < 256, wherein Ya = (Yaa(256) +  
 YaB) + (window-size + 2);  
 computing a count Yb **equal** to the **sum total**  
 number or ridges found within all horizontal lines in the  
 Y-Axis "B-Rangell which...

...a number < 256, wherein Yb = (Yba(256) +  
 YbB) -& (window-size -\* 2);  
 computing a count Ye **equal** to the **number** or  
 ridges found within horizontal line YC on the Y-axis,  
 wherein Ye is a...

...is the Y-axis center  
 line of said fingerprint identity window;  
 computing a count Xma **equal** to the highest **number**  
 or ridges found within any vertical line in the X-Axis "A  
 Range" which is defined as: Xs < vertical line < XC;  
 computing a count Xmb **equal** to the highest **number**  
 of ridges found within any vertical line in the X-Axis IIB  
 Range" which is defined as: XC < vertical line < Xe;  
 computing a count Xa **equal** to the **sum total**  
 number of ridges found within all vertical lines in the X  
 Axis "A-Range" which...

...number < 256, wherein Xa . (Xaa(256) + XaB)  
 (window-size -I 2);  
 computing a count Xb **equal** to the **sum total**  
 number of ridges found within all vertical lines in the X  
 Axis "B-Rangell which...

...number < 256,, wherein Xb = (Xba(256) + XbB)  
 (window-size -I 2);



computing a count  $X_c$  equal to the number of  
ridges found within vertical line  $XC$  on the  $X$ -axis, wherein  
 $X_c$  is a...

?



File 2:INSPEC 1969-2005/Jan W4  
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(c) 2005 NTIS, Intl Cpyrght All Rights Res  
File 8:Ei Compendex(R) 1970-2005/Jan W3  
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File 34:SciSearch(R) Cited Ref Sci 1990-2005/Jan W4  
(c) 2005 Inst for Sci Info  
File 35:Dissertation Abs Online 1861-2005/Jan  
(c) 2005 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2005/Jan W5  
(c) 2005 BLDSC all rts. reserv.  
File 94:JICST-EPlus 1985-2005/Dec W3  
(c)2005 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2005/Jan W1  
(c) 2005 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Nov  
(c) 2004 The HW Wilson Co.  
File 144:Pascal 1973-2005/Jan W4  
(c) 2005 INIST/CNRS  
File 239:Mathsci 1940-2005/Mar  
(c) 2005 American Mathematical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 603:Newspaper Abstracts 1984-1988  
(c)2001 ProQuest Info&Learning  
File 483:Newspaper Abs Daily 1986-2005/Jan 29  
(c) 2005 ProQuest Info&Learning  
File 248:PIRA 1975-2005/Jan W3  
(c) 2005 Pira International

Set	Items	Description
S1	54470	FINGERPRINT? OR FINGER()PRINT?
S2	2271	S1(3N)(SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORTION? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	18	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR RECOMBIN?)(3N)S2
S4	80705	(EQUAL? OR SAME OR MATCH)(3N)(NUMBER? OR TOTAL? OR SUM)
S5	16369	WATERMARK? OR WATER()MARK?
S6	15585	TUPLE?
S7	20698	PSEUDORANDOM OR PSEUDO()RANDOM? OR RMK OR REPRESENTATIVE()-MASTER()KEY
S8	0	S3 AND S4
S9	9	RD S3 (unique items)
S10	4	S2 AND S4
S11	4	S10 NOT S9
S12	4	RD S11 (unique items)
S13	13	S2 AND S5
S14	0	S13 AND S6
S15	6	RD S13 (unique items)
S16	544	S1 AND S5:S7
S17	1	S16 AND S4
S18	1	S17 NOT (S10 OR S9 OR S13)



9/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

6458684 INSPEC Abstract Number: C2000-02-5260B-191

**Title: Effect of resolution and image quality on combined optical and neural network fingerprint matching**

Author(s): Wilson, C.L.; Watson, C.I.; Paek, E.G.

Author Affiliation: Inf. Technol. Lab., Nat. Inst. of Stand. & Technol., Gaithersburg, MD, USA

Journal: Pattern Recognition vol.33, no.2 p.317-31

Publisher: Elsevier,

Publication Date: Feb. 2000 Country of Publication: UK

CODEN: PTNRA8 ISSN: 0031-3203

SICI: 0031-3203(200002)33:2L.317:ERIQ;1-Q

Material Identity Number: P133-1999-014

U.S. Copyright Clearance Center Code: 0031-3203/2000/\$20.00

Language: English

Subfile: C

Copyright 2000, IEE

...Abstract: presented. When Fourier transform (FT) correlations are used to generate features that are localized to **parts** of each **fingerprint** and **combined** using a neural network classification network and separate class-by-class matching networks, 90.9...

9/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

5762481 INSPEC Abstract Number: B9801-6140C-160, C9801-1250-074

**Title: Combined optical and neural network fingerprint matching**

Author(s): Wilson, C.L.; Watson, C.I.; Paek, E.G.

Author Affiliation: Inf. & Technol. Lab., Nat. Inst. of Stand. & Technol., Gaithersburg, MD, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3073 p.373-82

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1997 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1997)3073L.373:CONN;1-B

Material Identity Number: C574-97084

U.S. Copyright Clearance Center Code: 0 8194 2488 9/97/\$10.00

Conference Title: Optical Pattern Recognition VIII

Conference Sponsor: SPIE

Conference Date: 22-23 April 1997 Conference Location: Orlando, FL, USA

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: of the finger. When the correlations are used to generate features that are localized to **parts** of each **fingerprint** and **combined** using a neural network classification network and separate class-by-class matching networks, 84.3...

9/3,K/3 (Item 1 from file: 8)



DIALOG(R) File 8: Ei Compendex(R)  
(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

07191154 E.I. No: EIP04538754320

**Title: Adaptive fingerprint image enhancement algorithm based on orientation field and frequency field**

Author: He, Yang; Ou, Zong-Ying; Guo, Hao

Corporate Source: CAD and CG Lab. Sch. of Mech. Eng. Dalian Univ. of Technol., Dalian 116024, China

Source: Dalian Ligong Daxue Xuebao/Journal of Dalian University of Technology v 44 n 5 September 2004. p 689-694

Publication Year: 2004

CODEN: DLXUEJ ISSN: 1000-8608

Language: Chinese

...Abstract: optimal parameters will be selected in the new adaptive fingerprint enhancement algorithm for the regular **regions** in **fingerprint** image, and a **combination** multi Gabor process will be implemented for the non-regular regions, such as the poor...

9/3,K/4 (Item 1 from file: 34)

DIALOG(R) File 34: SciSearch(R) Cited Ref Sci  
(c) 2005 Inst for Sci Info. All rts. reserv.

12847530 Genuine Article#: 825VQ No. References: 9

**Title: Identification of Proteins by Combination of Peptide Mass**

**Fingerprinting and Fragmentation of Sulfonated Peptides**

Author(s): Lenco J (REPRINT) ; Stulik J

Corporate Source: Purkyne Mil Med Acad, Proteome Ctr Study Intracellular Parasitism Bacte, Hradec Kralove//Czech Republic/ (REPRINT); Purkyne Mil Med Acad, Proteome Ctr Study Intracellular Parasitism Bacte, Hradec Kralove//Czech Republic/; Charles Univ, Fac Med, Dept Med Biol & Genet, Hradec Kralove//Czech Republic/

Journal: CHEMICKE LISTY, 2004, V98, N5, P264-267

ISSN: 0009-2770 Publication date: 20040000

Publisher: CHEMICKE LISTY, NOVOTNEHO LAVKA 5, PRAGUE 6 116 68, CZECH REPUBLIC

Language: Czech Document Type: ARTICLE (ABSTRACT AVAILABLE)

**Title: Identification of Proteins by Combination of Peptide Mass**

**Fingerprinting and Fragmentation of Sulfonated Peptides**

9/3,K/5 (Item 2 from file: 34)

DIALOG(R) File 34: SciSearch(R) Cited Ref Sci  
(c) 2005 Inst for Sci Info. All rts. reserv.

08310477 Genuine Article#: 270AK No. References: 23

**Title: Eliminating disulfide exchange during glutamyl endopeptidase digestion of native protein**

Author(s): Dormady SJ; Lei JM; Regnier FE (REPRINT)

Corporate Source: PURDUE UNIV, DEPT CHEM, 1393 BROWN BLDG/W LAFAYETTE//IN/47907 (REPRINT); PURDUE UNIV, DEPT CHEM/W LAFAYETTE//IN/47907

Journal: JOURNAL OF CHROMATOGRAPHY A, 1999, V864, N2 (DEC 24), P237-245

ISSN: 0021-9673 Publication date: 19991224

Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS



Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: enzymes over free-solution reactions will be most important in the pharmaceutical industry where proteolytic **fragment** **'** **fingerprinting** **'** of recombinant proteins is being used to confirm structure. (C) 1999 Elsevier Science B.V. All rights...

9/3,K/6 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01940467 ORDER NO: AADAA-I3086843  
**Surface modeling and analysis using range images: Smoothing, registration, integration, and segmentation**

Author: Sun, Yiyong  
Degree: Ph.D.  
Year: 2002  
Corporate Source/Institution: The University of Tennessee (0226)  
Source: VOLUME 64/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1417. 172 PAGES

...scheme named point fingerprint. Surfaces are registered by finding corresponding point pairs in an overlapping **region** based on **fingerprint** comparison.

Surface integration **merges** registered surface patches into a whole surface. This research employs an implicit surface-based integration...

9/3,K/7 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

01086407 JICST ACCESSION NUMBER: 90A0675640 FILE SEGMENT: JICST-E  
**Combination of heteronuclear 1H-15N and 1H-13C three-dimensional nuclear magnetic resonance experiments for amide-directed sequential assignment in larger proteins.**

NAGAYAMA K (1); YAMAZAKI T (1); YOSHIDA M (2); KANAYA S (3); NAKAMURA H (3)  
(1) JEOL Ltd., Tokyo; (2) Kyowa Hakko Kogyo Co., Ltd., Tokyo; (3) Protein Engineering Research Inst., Osaka  
J Biochem, 1990, VOL.108,NO.2, PAGE.149-152, FIG.4, REF.28  
JOURNAL NUMBER: F0286AAV ISSN NO: 0021-924X CODEN: JOBIA  
UNIVERSAL DECIMAL CLASSIFICATION: 57.088 577.112.012  
LANGUAGE: English COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Short Communication  
MEDIA TYPE: Printed Publication

...ABSTRACT: from the NHi-C.ALPHA.Hi and NHi+1-C.ALPHA.Hi connectivities in the **finger - print region** in general. The **combination** of the two sets of results reveals the complete unambiguous sequential connection of cross-peaks...

9/3,K/8 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2005 INIST/CNRS. All rts. reserv.



12605206 PASCAL No.: 96-0292895

**Eimeria tenella : infection with a single sporocyst gives a clonal population**

SHIRLEY M W; HARVEY D A

Institute for Animal Health, Compton Laboratory, Compton, Nr Newbury,  
Berks RG20 7NN, United Kingdom

Journal: Parasitology, 1996, 112 (6) 523-528

Language: English

English Descriptors: Parasite; Pathogenic; Chicken; Life history; Sporocyst  
; Cell cloning; Genetic marker; Heritability; **Recombination** ;  
**Fingerprint method** ; Restriction **fragment** length polymorphism; Eimeria  
tenella

French Descriptors: Parasite; Pathogene; Poulet; Cycle evolutif; Sporocyste  
; Clonage cellulaire; Marqueur genetique; Heritabilite; **Recombinaison** ;  
Methode **fingerprint** ; Polymorphisme longueur **fragment** restriction;  
Eimeria tenella

Spanish Descriptors: Parasito; Patogeno; Pollo; Ciclo evolutivo;  
Esporocisto; Clonacion celular; Marcador genetico; Heredabilidad;  
**Recombinacion** ; Metodo **fingerprint** ; Polimorfismo longitud **fragmento**  
restriccion; Eimeria tenella

9/3,K/9 (Item 2 from file: 144)

DIALOG(R) File 144:Pascal

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11797262 PASCAL No.: 94-0676070

**Population structure of Actinobacillus actinomycetemcomitans : a  
framework for studies of disease-associated properties**

POULSEN K; THEILADE E; LALLY E T; DEMUTH D R; KILIAN M

Univ. Aarhus, inst. medical microbiology, 8000 Aarhus, Denmark

Journal: Microbiology, 1994, 140 (p.8) 2049-2060

Language: English

English Descriptors: Actinobacillus actinomycetemcomitans; Population  
genetics; Genetic variability; **Recombination** ; Enzyme; **Fingerprint**  
method; Restriction **fragment** length polymorphism; Ribosomal DNA;  
Leukotoxin; Dendrogram; Ribotype

French Descriptors: Actinobacillus actinomycetemcomitans; Genetique  
population; Variabilite genetique; **Recombinaison** ; Enzyme; Methode  
**fingerprint** ; Polymorphisme longueur **fragment** restriction; DNA  
ribosomique; Gene ltx; Leucotoxine; Dendrogramme; Ribotype

Spanish Descriptors: Actinobacillus actinomycetemcomitans; Genetica  
poblacion; Variabilidad genetica; **Recombinacion** ; Enzima; Metodo  
**fingerprint** ; Polimorfismo longitud **fragmento** restriccion; DNA  
ribosomico

?



12/3,K/1 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2005 Inst for Sci Info. All rts. reserv.

10868441 Genuine Article#: 579VY No. References: 53  
**Title: Rapid genetic decline in a translocated population of the endangered plant *Grevillea scapigera***  
Author(s): Krauss SL (REPRINT) ; Dixon B; Dixon KW  
Corporate Source: Kings Pk Bot Garden,Bot Gardens & Pk Author,Perth/WA 6005/Australia/ (REPRINT); Kings Pk Bot Garden,Bot Gardens & Pk Author,Perth/WA 6005/Australia/; Univ Western Australia,Fac Nat & Agr Sci, Sch Plant Biol,Crawley/WA 6009/Australia/  
Journal: CONSERVATION BIOLOGY, 2002, V16, N4 (AUG), P986-994  
ISSN: 0888-8892 Publication date: 20020800  
Publisher: BLACKWELL PUBLISHING INC, 350 MAIN ST, MALDEN, MA 02148 USA  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: 161 seedlings were returned to the field site in winter 1999. We used the DNA **fingerprinting** technique of amplified **fragment**-length polymorphism (AFLP) to (1) assess the genetic fidelity of the clones through the propagation...

...which may ultimately threaten their long-term survival. Strategies to reverse this genetic decline include **equalizing** founder **numbers**, adding new genotypes when discovered, optimizing genetic structure and plant density to promote multiple siring...

12/3,K/2 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01111075 ORDER NO: AAD90-17024  
**EXPRESSION, SEQUENCING, AND CHARACTERIZATION OF MANNITOL-1-PHOSPHATE DEHYDROGENASE GENES FROM ASPERGILLUS PARASITICUS AND ESCHERICHIA COLI**  
Author: JIANG, WEIPING  
Degree: PH.D.  
Year: 1989  
Corporate Source/Institution: VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (0247)  
Source: VOLUME 51/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 718. 147 PAGES

...level and 81.6% at the nucleotide level. The two genes translate into polypeptides of **equal numbers** (382) of amino acids with \$M\sb r\$ of 40,880 and 41,221, respectively...

...were identified for both enzymes in the N-terminal regions according to the consensus sequence **fingerprint**. The C-terminal **regions** of both enzymes were similar in sequence to the kinase domain of human liver or...

12/3,K/3 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
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15780270 PASCAL No.: 02-0493895  
**Rapid genetic decline in a translocated population of the endangered**



**plant Grevillea scapigera**

KRALISS Siegfried L; DIXON Bob; DIXON Kingsley W  
Botanic Gardens and Parks Authority. Kings Park and Botanic Garden, West  
Perth, Western Australia, 6005, Australia; School of Plant Biology, Faculty  
of Natural and Agricultural Sciences, University of Western Australia,  
Crawley, Western Australia 6009, Australia

Journal: Conservation biology, 2002, 16 (4) 986-994

Language: English Summary Language: Spanish

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... 161 seedlings were returned to the field site in winter 1999. We used  
the DNA **finger - printing** technique of amplified **fragment** -length  
polymorphism (AFLP) to (1) assess the gerzetic fidelity of the clones  
through the propagation...

... which may ultimately threaten their long-term survival. Strategies to  
reverse this genetic decline include **equalizing** founder **numbers** , adding  
new genotypes when discovered, optimizing genetic structure and plant  
density to promote multiple siring...

12/3,K/4 (Item 2 from file: 144)

DIALOG(R) File 144:Pascal

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13057843 PASCAL No.: 97-0347934

**Stability of fingerprints of Solanum tuberosum plants derived from  
conventional tubers and vitrotubers**

MANDOLINO G; DE MARCO S; FAETI V; BAGATTA M; CARBONI A; RANALLI P  
Istituto Sperimentale per le Colture Industriali, Via di Corticella 133,  
40129 Bologna, Italy

Journal: Plant breeding, 1996, 115 (6) 439-444

Language: English

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... GP35 and RsaI-CP6) and three random primers (OPA4, OPA19 and OPG12).  
Based on the **same** techniques, a **number** of plants from the cvs. Monalisa  
and Spunta originated from the sprouting of in vitro...

English Descriptors: Stability; **Fingerprint** method; Microplant;  
Restriction **fragment** length polymorphism; Random amplified polymorphic  
DNA; Genetic improvement; Tissue culture; Micropropagation; Solanum  
tuberosum

French Descriptors: Stabilite; Methode **fingerprint** ; Vitroplant;  
Polymorphisme longueur **fragment** restriction; Marqueur RAPD;  
Amelioration genetique; Culture tissu; Multiplication vegetative in vitro  
; Solanum tuberosum

?



15/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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8058850 INSPEC Abstract Number: C2004-09-6130S-108

**Title: A dual watermark -fingerprint system**

Author(s): Kirovski, D.; Malvar, H.; Yacobi, Y.

Author Affiliation: Microsoft Res., Redmond, WA, USA

Journal: IEEE Multimedia vol.11, no.3 p.59-73

Publisher: IEEE,

Publication Date: July-Sept. 2004 Country of Publication: USA

CODEN: IEMUE4 ISSN: 1070-986X

SICI: 1070-986X(200407/09)11:3L:59:DWFS;1-3

Material Identity Number: B466-2004-003

U.S. Copyright Clearance Center Code: 1070-986X/04/\$20.00

Language: English

Subfile: C

Copyright 2004, IEE

**Title: A dual watermark -fingerprint system**

...Abstract: a multimedia content protection system in which all copies of a protected object are identically **watermarked**, but each user has a distinct secret detection key that differs from the secret embedding key. An attacker with access to one detection key can fool the corresponding **watermark** detector but not other **watermark** detectors. Surprisingly, analogous to a criminal action, during this attack the attacker necessarily inserts his...

... all colluders can be detected with relatively high accuracy in the attacked clip. Our proposed **watermark -fingerprint** system achieves a minimum collusion size  $K$  that grows linearly with the size  $N$  of the marked object. In addition, we can augment our **watermark - fingerprint** system with a **segmentation** layer. The media content is partitioned into 5 segments, in which media players as well as forensic analyzers can reliably detect a **watermark** or fingerprint. Only detection keys that belong to the same segment can participate in the...

... the minimum collusion size  $K$  grows as  $O(N \log N)$ . Therefore, with or without **segmentation**, our **watermark - fingerprint** system significantly improves on the best-known asymptotic resistance to (fingerprint) collusion attacks of about...

... this article is to characterize the collusion attacks against this system under the assumption that **watermark** detection is robust against signal-processing attacks on the protected object.

...Descriptors: **watermarking**

Identifiers: dual **watermark -fingerprint** system...

... **watermark** detector...

... **watermark** detection

15/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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7500339 INSPEC Abstract Number: B2003-02-6135C-078, C2003-02-5260B-171

**Title: Robust watermarking of fingerprint images**



Author(s): Gunsel, B.; Uludag, U.; Murat Tekalp, A.  
Author Affiliation: Inf. Technol. Res. Inst., TUBITAK, Gebze-Kocaeli,  
Turkey  
Journal: Pattern Recognition vol.35, no.12 p.2739-47  
Publisher: Elsevier,  
Publication Date: Dec. 2002 Country of Publication: UK  
CODEN: PTNRA8 ISSN: 0031-3203  
SICI: 0031-3203(200212)35:12L.2739:RWF;1-7  
Material Identity Number: P133-2002-010  
U.S. Copyright Clearance Center Code: 0031-3203/02/\$22.00  
Language: English  
Subfile: B C  
Copyright 2003, IEE

**Title: Robust watermarking of fingerprint images**

Abstract: Introduces two spatial methods in order to embed watermark data into fingerprint images, without corrupting their features. The first method inserts watermark data after feature extraction, thus preventing watermarking of regions used for fingerprint classification. The method utilizes an image adaptive strength adjustment technique which results in watermarks with low visibility. The second method introduces a feature adaptive watermarking technique for fingerprints, thus applicable before feature extraction. For both of the methods, decoding does not require the original fingerprint image. Unlike most of the published spatial watermarking methods, the proposed methods provide high decoding accuracy for fingerprint images. High data hiding and...

...Descriptors: watermarking

Identifiers: robust watermarking ; ...

...feature adaptive watermarking technique

15/3,K/3 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2005 Institution of Electrical Engineers. All rts. reserv.

7213742 INSPEC Abstract Number: B2002-04-6135-367, C2002-04-5260B-456

**Title: A public automated web-based evaluation service for watermarking schemes: StirMark Benchmark**

Author(s): Petitcolas, F.A.P.; Steinebach, M.; Raynal, F.; Dittmann, J.; Fontaine, C.; Fates, N.

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)  
vol.4314 p.575-84

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 2001 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(2001)4314L.575:PABE;1-9

Material Identity Number: C574-2001-285

U.S. Copyright Clearance Center Code: 0277-786X/01/\$15.00

Conference Title: Security and Watermarking of Multimedia Contents III

Conference Sponsor: SPIE

Conference Date: 22-25 Jan. 2001 Conference Location: San Jose, CA,  
USA

Language: English

Subfile: B C

Copyright 2002, IEE

**Title: A public automated web-based evaluation service for watermarking**



**schemes: StirMark Benchmark**

Abstract: One of the main problems, which darkens the future of digital **watermarking** technologies, is the lack of detailed evaluation of existing marking schemes. This lack of benchmarking...

... the solution appropriate to their needs. Indeed basing long-lived protection schemes on badly tested **watermarking** technology does not make sense. In this paper we will present the architecture of a...

... choice of evaluation profiles, that is the series of tests applied to different types of **watermarking** schemes. These evaluation profiles allow us to measure the reliability of a marking scheme to...

... the real size of the key space. Indeed, if one is not careful, two different **watermarking** keys may produce interfering **watermarks** and as a consequence the actual space of keys is much smaller than it appears...

... propose a set of tests for fingerprinting applications. This includes: averaging of copies with different **fingerprint**, random exchange of **part** between different copies and comparison between copies with selection of most/less frequently used position...

Identifiers: digital **watermarking** ;

15/3,K/4 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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06138683 E.I. No: EIP02397099156

**Title: A clone preventive technique which features magnetic micro-fibers and cryptography**

Author: Matsumoto, Hiroyuki; Suzuki, Keiichi; Matsumoto, Tsutomu

Conference Title: Optical Security and Counterfeit Deterrence Techniques II

Conference Location: San Jose, CA, United States Conference Date: 19980128-19980130

E.I. Conference No.: 59674

Source: Proceedings of SPIE - The International Society for Optical Engineering v 3314 1998. p 275-286

Publication Year: 1998

CODEN: PSISDG ISSN: 0277-786X

Language: English

...Abstract: Cryptosystem)" which utilizes physical characteristics. Each card has a canonical domain (i.e. a distinctive **part**), similar to **fingerprints** as the biometric measurement, made up of magnetic micro-fibers scattered randomly inside. We have...

...Descriptors: of data; Cryptography; Magnetic materials; Optical fibers ; Electronic document identification systems; Copying; Data privacy; Digital **watermarking** ; Photodetectors; Decoding

15/3,K/5 (Item 1 from file: 34)

DIALOG(R)File 34: SciSearch(R) Cited Ref Sci

(c) 2005 Inst for Sci Info. All rts. reserv.

11971676 Genuine Article#: BX35L No. References: 28

**Title: Traitor tracing for shortened and corrupted fingerprints**



Author(s): Safavi-Naini R (REPRINT) ; Wang YJ  
Corporate Source: Univ Wollongong, Sch Informat Technol & Comp  
Sci, Wollongong/NSW 2522/Australia/ (REPRINT); Univ Wollongong, Sch  
Informat Technol & Comp Sci, Wollongong/NSW 2522/Australia/  
, 2002, V2696, P81-100  
ISSN: 0302-9743 Publication date: 20020000  
Publisher: SPRINGER-VERLAG BERLIN, HEIDELBERGER PLATZ 3, D-14197 BERLIN,  
GERMANYDIGITAL RIGHTS MANAGEMENT  
Series: LECTURE NOTES IN COMPUTER SCIENCE  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: attacks including 'cut and paste', averaging (to weaken the  
embedded marks), and cropping (to remove **part** of the **fingerprint** ).  
We have two main results: First, we give an efficient algorithm for  
tracing shortened fingerprints...  
...Identifiers--COMBINATORIAL PROPERTIES; TRACEABILITY SCHEMES;  
REED-SOLOMON; CODES; SECURE; **WATERMARKS**; FRAMEPROOF

15/3,K/6 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2005 Inst for Sci Info. All rts. reserv.

07130218 Genuine Article#: 126LP No. References: 32  
Title: PCR-based detection of the causal agent of watermark disease in  
willows (*Salix spp.*)  
Author(s): Hauben L (REPRINT) ; Steenackers M; Swings J  
Corporate Source: STATE UNIV GHENT, MICROBIOL LAB/B-9000 GHENT//BELGIUM/  
(REPRINT); INST FORESTRY & GAME MANAGEMENT IBW,/B-9500  
GERAARDSBERGEN//BELGIUM/  
Journal: APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 1998, V64, N10 (OCT), P  
3966-3971  
ISSN: 0099-2240 Publication date: 19981000  
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW,  
WASHINGTON, DC 20005-4171  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

Title: PCR-based detection of the causal agent of watermark disease in  
willows (*Salix spp.*)

Abstract: The **watermark** disease, caused by *Brenneria salicis* (formerly  
*Erwinia salicis*), is of significant concern wherever tree-forming...

...when genomic DNA was tested for 27 strains of other, related  
plant-associated bacteria, Genomic **fingerprinting** by amplification  
**fragment** length polymorphism of *B. salicis* strains, originating from  
four different countries, and related *Brenneria*, *Pectobacterium*...

?



18/3,K/1 (Item 1 from file: 99)  
DIALOG(R) File 99:Wilson Appl. Sci & Tech Abs  
(c) 2004 The HW Wilson Co. All rts. reserv.

2630070 H.W. WILSON RECORD NUMBER: BAST03128486

**Anti-collusion Fingerprinting for Multimedia**

Trappe, Wade; Wu, Min; Wang, Jane Z

IEEE Transactions on Signal Processing v. 51 no4 (Apr. 2003) p. 1069-87

DOCUMENT TYPE: Feature Article ISSN: 1053-587X

**Anti-collusion Fingerprinting for Multimedia**

...ABSTRACT: in digital media and secure content delivery. The authors investigated the design of anti-collusion **fingerprints** for multimedia applications. Anti-collusion codes are presented for which the composition of any subset of codevectors that is less than or **equal** to the **number** of colluders is unique. Detection strategies for identifying a suspect set of colluders are demonstrated...

DESCRIPTORS: ...Digital **watermarks** ;



File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office  
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)  
(c) 2004 JPO & JAPIO  
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200507  
(c) 2005 Thomson Derwent

Set	Items	Description
S1	12444	FINGERPRINT? OR FINGER() PRINT?
S2	1161	S1(3N) (SUBSET? OR SEGMENT? OR PARTS OR PARTITION? OR PORTI- ON? OR PART OR SECTOR? OR SECTION? OR REGION? OR FRAGMENT?)
S3	5	(COMBIN? OR MERG? OR JOIN? OR ADD OR ADDS OR ADDING OR REC- OMBIN?) (3N) S2
S4	52568	(EQUAL? OR SAME OR MATCH) (3N) (NUMBER? OR TOTAL? OR SUM)
S5	4939	WATERMARK? OR WATER() MARK?
S6	473	TUPLE?
S7	6324	PSEUDORANDOM OR PSEUDO() RANDOM? OR RMK OR REPRESENTATIVE()- MASTER() KEY
S8	0	S3 AND S4
S9	5	S2 AND S4
S10	4	S2 AND S5
S11	48	S1 AND S5:S7
S12	5	S9 NOT S10
S13	4	S10 NOT S9
S14	0	S11 AND S4
S15	3	S11 AND (EQUAL? OR SAME OR MATCH)
S16	3	S15 NOT (S10 OR S9)



12/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06915541 \*\*Image available\*\*  
FINGERPRINT RECOGNITION TYPE DATA INPUT DEVICE

PUB. NO.: 2001-143077 [JP 2001143077 A]  
PUBLISHED: May 25, 2001 (20010525)  
INVENTOR(s): OKANO SHINICHI  
GOTO YOSHINORI  
OINUMA MORIHIDE  
NAKAMURA TOMOHIKO  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP (NTT)  
APPL. NO.: 11-320971 [JP 99320971]  
FILED: November 11, 1999 (19991111)

#### ABSTRACT

... SOLVED: To provide a data input device to more surely execute personal identification.

SOLUTION: A **fingerprint** reading **part** 2 is incorporated in respective keys of a ten-key board, fingerprints are read by...

... are recorded, by allocating numbers to them respectively in a recording **part** 3. The determining **part** 4 compares the **fingerprints** read by the **fingerprint** reading **part** 2 with **fingerprints** recorded in the recording **part** 3 and when the fingerprints **match**, outputs a **number** by which is recorded by being made to be correspond to fingerprint data in the ...

12/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06427945 \*\*Image available\*\*  
TELEPHONE NUMBER CHANGE SYSTEM

PUB. NO.: 2000-013508 [JP 2000013508 A]  
PUBLISHED: January 14, 2000 (20000114)  
INVENTOR(s): NAKAZAWA MEGUMI  
APPLICANT(s): NEC CORP  
APPL. NO.: 10-172383 [JP 98172383]  
FILED: June 19, 1998 (19980619)

#### ABSTRACT

PROBLEM TO BE SOLVED: To perform calling by the **same** telephone **number** merely by pressing the button for registration of a telephone set, even when an extension...

... of a telephone set 211, a button pressing detection **part** 32 senses it. Then, a **fingerprint** read **part** 33 reads the **fingerprint** of the user 51 and sends fingerprint image information to an exchange 1. The exchange 1 which receives the fingerprint image information collates it with registered fingerprints 16 in a **fingerprint** collation **part** 12 and detects a matching fingerprint. Based on the data number of the matching fingerprint ...



12/3,K/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05308158 \*\*Image available\*\*  
REGISTERING METHOD AND COLLATING DEVICE OF FINGERPRINT

PUB. NO.: 08-263658 [JP 8263658 A]  
PUBLISHED: October 11, 1996 (19961011)  
INVENTOR(s): YAMAGUCHI MASAHIKO  
APPLICANT(s): FUJITSU DENSO LTD [470928] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 07-061340 [JP 9561340]  
FILED: March 20, 1995 (19950320)

ABSTRACT

...CONSTITUTION: The fingerprint image picked-up by a **fingerprint** image pickup **part** 1 is thinned by an image processing **part** 2, a normal characteristic point and a...

... **part** 5 judges that the fingerprint image is sufficient when the average pseudo characteristic point **number** is **equal** to below a threshold so as to register the **fingerprint** in a registering **part** 6. When it exceeds the threshold, another finger print registering instruction is executed in a...

12/3,K/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

04495367 \*\*Image available\*\*  
INFORMATION PROCESSING SYSTEM CAPABLE OF INDIVIDUAL IDENTIFICATION

PUB. NO.: 06-139267 [JP 6139267 A]  
PUBLISHED: May 20, 1994 (19940520)  
INVENTOR(s): OIWA NORIYASU  
APPLICANT(s): NEC SOFTWARE LTD [491061] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 04-288055 [JP 92288055]  
FILED: October 27, 1992 (19921027)  
JOURNAL: Section: P, Section No. 1788, Vol. 18, No. 441, Pg. 161, August 17, 1994 (19940817)

ABSTRACT

... password number and 1st fingerprint information out of a card 1 and outputs them, a **fingerprint** read **part** 5 which detects the fingerprint of a finger and outputs it as 2nd fingerprint information...

... a collation **part** 6 which outputs a coincidence signal when the 1st and 2nd password **numbers** **match** each other and the rate of matching between the 1st and 2nd pieces of fingerprint...

12/3,K/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.



01845474    \*\*Image available\*\*  
FINGERPRINT INPUT DEVICE

PUB. NO.:        61-059574 [JP 61059574 A]  
PUBLISHED:      March 27, 1986 (19860327)  
INVENTOR(s):    MORITA KOICHIRO  
                 ASAI HIROSHI  
APPLICANT(s):   NEC CORP [000423] (A Japanese Company or Corporation), JP  
                 (Japan)  
APPL. NO.:      59-181105 [JP 84181105]  
FILED:          August 30, 1984 (19840830)  
JOURNAL:        Section: P, Section No. 483, Vol. 10, No. 223, Pg. 157,  
                 August 05, 1986 (19860805)

ABSTRACT

...ID number is inputted from a keyboard 26, an image pick-up camera in a  
**fingerprint** input **part** 21 starts to scan and a time light and shade  
change of respective points of...

... the ID number and take a fingerprint again. A continuous collating  
allowable frequency of the **same** ID **number** is set beforehand, when the  
frequency is exceeded, a processing after that is never accepted...  
?



13/3,K/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

07965718 \*\*Image available\*\*  
CONTENT SERVER, CONTENTS RECEIVER, NETWORK SYSTEM, AND METHOD FOR ADDING  
INFORMATION TO ITS DIGITAL CONTENT

PUB. NO.: 2004-078477 [JP 2004078477 A]  
PUBLISHED: March 11, 2004 (20040311)  
INVENTOR(s): MORIMOTO NORISHIGE  
KAMIJO KOICHI  
KOBAYASHI SEISHI  
KUOKAWA MASAHITO  
APPLICANT(s): INTERNATL BUSINESS MACH CORP (IBM)  
APPL. NO.: 2002-236644 [JP 2002236644]  
FILED: August 14, 2002 (20020814)

#### ABSTRACT

PROBLEM TO BE SOLVED: To embed electronic **watermarks** different for each access in digital contents without increasing the load of a content server as much as possible.

SOLUTION: This content server is provided with an electronic **watermark** embedded content storing part 13 in which a plurality of digital contents embedded with different electronic **watermarks** are stored and a **finger print** executing part 14 for reading the plurality of digital contents from the electronic **watermark** embedded content storing part 13, and for switching and compounding the digital contents for each...

... beginning information to the digital contents by using a bit string formed by the electronic **watermark** embedded in every portion of the digital contents.

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13/3,K/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06601623 \*\*Image available\*\*  
COPYING DEVICE USING LIVING BODY INFORMATION

PUB. NO.: 2000-187420 [JP 2000187420 A]  
PUBLISHED: July 04, 2000 (20000704)  
INVENTOR(s): SHIINA TOSHIO  
URABE AKIO  
APPLICANT(s): RICOH CO LTD  
APPL. NO.: 10-366687 [JP 98366687]  
FILED: December 24, 1998 (19981224)

#### ABSTRACT

... SOLUTION: When a start button 2 of an operation display part 1 is pressed, a **finger print** reading part 21 reads the **finger print** of a finger which contacted a protection bell 233. An authentication information synthesis part creates...



... synthesis processing part writes the authentication information in plural points of an image data as **watermark** information, and an image output part 4 prints the image data containing the authentication information...

13/3,K/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2004 JPO & JAPIO. All rts. reserv.

06601622 \*\*Image available\*\*  
COPYING DEVICE USING LIVING BODY INFORMATION

PUB. NO.: 2000-187419 [JP 2000187419 A]  
PUBLISHED: July 04, 2000 (20000704)  
INVENTOR(s): SHIINA TOSHIO  
URABE AKIO  
APPLICANT(s): RICOH CO LTD  
APPL. NO.: 10-364668 [JP 98364668]  
FILED: December 22, 1998 (19981222)

#### ABSTRACT

...by whom the documents were copied.

SOLUTION: When a start button 11 is pressed, a **finger print** reading part 2 reads the **finger print** of the pushing finger. When the read finger print is registered beforehand, an authentication information...

...information, writes the authentication information in plural points of a read image data as a **watermark** information, and an image output part 4 prints an image data synthesizing the authentication information...

13/3,K/4 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

016022941 \*\*Image available\*\*  
WPI Acc No: 2004-180792/200417  
XRPX Acc No: N04-143722

Digital data e.g. audio, sequence identifying method, involves comparing digital watermark associated with respective data sequences based on result of fingerprint comparison and establishing identity of data sequence

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG )

Inventor: BRUEKERS A A M L; VAN DER VEEN M

Number of Countries: 104 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200415629	A2	20040219	WO 2003IB2812	A	20030626	200417 B
AU 2003242916	A1	20040225	AU 2003242916	A	20030626	200456

Priority Applications (No Type Date): EP 200278079 A 20020726

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200415629	A2	E	14 G06T-001/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO



NZ OM PG PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ  
VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ  
UG ZM ZW

AU 2003242916 A1 G06T-001/00 Based on patent WO 200415629

Digital data e.g. audio, sequence identifying method, involves comparing  
digital watermark associated with respective data sequences based on  
result of fingerprint comparison and establishing identity of...

Abstract (Basic):

... The method involves calculating a digital **fingerprint** based on  
a **part** of a sequence. The fingerprint is compared with another  
fingerprint associated with another digital data sequence. A digital  
**watermark** associated with the respective data sequences is compared  
depending on the result of fingerprint comparison...

... The embedded **watermark** is smaller because it needs only to be  
unique among the small number of content items that are **watermarked** ,  
thereby reducing the required capacity of the **watermark** .

...Title Terms: **WATERMARK** ;

?



16/3,K/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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016603025 \*\*Image available\*\*  
WPI Acc No: 2004-761759/200475  
XRPX Acc No: N04-601886

Method of embedding watermark in digital audio e.g. music, involves  
detecting embedding intensity required to transform input signal so as to  
have characteristic value of signal exactly equal to selected  
quantization value

Patent Assignee: MARKANY INC (MARK-N); MARKTECH INC (MARK-N); CHOI J  
(CHOI-I); LEE W (LEEW-I); SHIN S (SHIN-I)

Inventor: CHOI J; LEE W; SHIN S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2004310117	A	20041104	JP 2004114501	A	20040408	200475 B
US 20050002526	A1	20050106	US 2004821550	A	20040408	200504

Priority Applications (No Type Date): KR 200321827 A 20030408

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2004310117	A	17	G10L-011/00	
US 20050002526	A1		G06K-009/00	

Method of embedding watermark in digital audio e.g. music, involves  
detecting embedding intensity required to transform input signal so as to  
have characteristic value of signal exactly equal to selected  
quantization value

Abstract (Basic):

... The embedding intensity required to transform the signal so as  
to have characteristic value exactly equal to the quantization value,  
is detected from the quantization value and the signal is transformed  
...

... An INDEPENDENT CLAIM is also included for watermark detection  
method...

...For embedding watermark in digital audio signal such as music. Also  
applicable in areas such as broadcast monitoring, fingerprinting ,  
identification of copyright owner, authentication, covert communication  
and copy control...

...The figure shows a block diagram of the watermark embedding and  
detection system. (Drawing includes non-English language text...

... watermark detector (120...

... watermark embedding unit (130...

... watermark extraction unit (210

...Title Terms: WATERMARK ;

16/3,K/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.



014375682      \*\*Image available\*\*

WPI Acc No: 2002-196385/200226

XRPX Acc No: N02-149223

**Biometric data matching system for identifying authorized personnel involves sending unique encrypted key identifying biometric data input station along with the encrypted biometric data**

Patent Assignee: NEC CORP (NIDE ); NIPPON DENKI KK (NIDE ); UCHIDA K (UCHI-I)

Inventor: UCHIDA K

Number of Countries: 005    Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 2333864	A1	20010803	CA 2333864	A	20010201	200226 B
AU 200118273	A	20010809	AU 200118273	A	20010202	200226
JP 2001216045	A	20010810	JP 200025816	A	20000203	200226
KR 2001078320	A	20010820	KR 20015233	A	20010203	200226
US 20010025342	A1	20010927	US 2001775617	A	20010205	200226
KR 425636	B	20040403	KR 20015233	A	20010203	200451

Priority Applications (No Type Date): JP 200025816 A 20000203

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2333864	A1	E	47	H04L-009/32	
AU 200118273	A			G06K-009/78	
JP 2001216045	A		9	G06F-001/00	
KR 2001078320	A			G06K-009/00	
US 20010025342	A1			H04L-009/00	
KR 425636	B			G06K-009/00	Previous Publ. patent KR 2001078320

Abstract (Basic):

...      Biometric data e.g. **fingerprint** data, scanned by input device  
(1). Data encrypted (13) and sent to identity verification system (2)  
along with unique encrypted key uniquely identifying the input device  
used. **Fingerprint** data and identity of input device extracted and  
used to determine if user authorized access...

...      data may be incorporated in the encrypted biometric data in the  
form of an digital **watermark** .

...

...Biometric e.g. **fingerprint** , input device (1...

... **Fingerprint** feature comparator (23

...Title Terms: **MATCH** ;

**16/3,K/3      (Item 3 from file: 350)**

DIALOG(R) File 350:Derwent WPIX

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013780751      \*\*Image available\*\*

WPI Acc No: 2001-264962/200127

Related WPI Acc No: 2000-338214; 2001-520172; 2002-054346; 2002-054573;  
2003-265383

XRPX Acc No: N01-189426

**Images correspondence determining system for fingerprint matching, determines score for comparison of each tuples generated corresponding to different curved fingerprint lines to match fingerprints**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC )



Inventor: BOLLE R M; HONG L; JAIN A K; PANKANTI S U

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6185318	B1	20010206	US 9756677	P	19970822	200127 B
			US 9830435	A	19980225	

Priority Applications (No Type Date): US 9756677 P 19970822; US 9830435 A 19980225

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6185318	B1	32	G06K-009/00	Provisional application US 9756677

Images correspondence determining system for fingerprint matching, determines score for comparison of each tuples generated corresponding to different curved fingerprint lines to match fingerprints

Abstract (Basic):

... A reference point matcher determines relation between one of the reference points in two curved **fingerprint** lines. A string representer is executed to represent image as strings of **tuples** of linear order. A matcher is executed to determine image **match** by allocating score for each comparison on two **tuples**. The **tuples** have attributes determined by relation between reference point and other points in line.

... Primary and secondary images of curved **fingerprint** lines are stored in memory (520...

...For matching **fingerprint** by image processing to determine person identity...

...The figure shows the block diagram of **fingerprint** matching system...

...Title Terms: **FINGERPRINT** ;

?